Wacker Siltronic Pollution Prevention Program
Hazardous Waste Reduction

HAZARDOUS WASTE - POUNDS

	Total Landfill Not to TPS (trash) Pounds	Total Landfill (trash) Pounds per Unit	Total Hazardous Waste	Haz Wst pounds per Unit	Waste Alcohol	Waste Alcohol pounds per Unit	Wax from Enya	Waste Wax pounds per Unit	Chrome Sludge / Chromic Acid	Waste Chrome Sludge / Chromic Acid pounds per Unit	313 Chemicals - Total
1985			1,326,800								
1986			1,087,805								
1987			594,975								
1988			304,183	0.611							
1989			125,885	0.268							
1990			77,041	0.135							
1991			86,074	0.182							
1992			14,198	0.028							
1993			9,841	0.017							
1994			11,800	0.023							
1995			8,019	0.014					6,850	0.012	572,121
1996			16,593	0.030					7,936	0.015	969,394
1997	2,207,140	2.84	14,924	0.019	2,891	0.0037	7,435	0.010	3,874	0.005	1,311,680
1998	2,274,780	2.69	19,891	0.023	1,652	0.0020	9,977	0.012	6,225	0.007	1,008,090
1999	2,770,100	2.60	17,666	0.017	4,619	0.0043	6,377	0.006	4,448	0.004	1,094,914
2000	1,287,120	0.96	41,365	0.031	667	0.0005	9,094	0.007	27,613	0.021	1,340,433
2001	987,200	0.98	28,135	0.028	600	0.0006	4,799	0.005	17,224	0.017	971,970
2002	921,900	1.00	33,604	0.036	0	0.0000	5,271	0.006	18,934	0.020	1,076,803
2003	1,036,480	1.13	22,788	0.025	0	0.0000	4,982	0.005	10,170	0.011	

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Chart.XLSData

3/23/04

SARA 313 CHEMICALS (RELEASED) - POUNDS

313 Chemicals - Total (Per Unit)	Hydrogen Fluoride	Hydrogen Fluoride per Unit	Hydrocholoric Acid Aerosols	Hydrocholoric Acid Aerosols per Unit	Nitric Acid	Nitric Acid per Unit	Nitrate Compounds (Water Dissociable)	Nitrate Compounds (Water Dissociable) per Unit
1.01	118	0.0002	1,210	0.0021	793	0.0014	570,000	1.01
1.77	1,094	0.0020	2,000	0.0037	6,300	0.0115	960,000	1.75
1.69	980	0.0013	2,200	0.0028	8,500	0.0109	1,300,000	1.67
1.19	790	0.0009	2,300	0.0027	5,000	0.0059	1,000,000	1.18
1.03	175	0.0002	3,500	0.0033	1,239	0.0012	1,090,000	1.02
1.00	233	0.0002	4,600	0.0034	1,600	0.0012	1,334,000	0.99
0.97	170	0.0002	3,700	0.0037	1,100	0.0011	967,000	0.96
1.16	503	0.0005	432	0.0005	1,467	0.0016	1,074,401	1.16
							900,007	0.99

Sorted SAP Inventory 2006

M#	Product Name	Stock	Mat Gp	Used	UOM	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
1525365	PASTE MOLYKOTE G-N PLUS	0	230601	0	TU	0	0	0	0	0	0	0	0	0	0	0	0
1639887	LUTENSOL AP 10 210KG/DRUM	0	992210	0	KG	0	0	0	0	0	0	0	0	0	0	0	0
1948666	SLURRY LUDOX TM-50 PRE-POLISH, 283kg/dr	0	992710	74,995	KG	5,660	6,509	8,773	8,207	6,509	5,094	5,094	6,226	5,943	6,226	5,377	5,377
2447771	ERKAMAR 3260 (25 KG/BAG)	200	992610	2,100	KG	125	175	150	200	150	175	150	175	175	175	150	300
3472995	LAPP-ADDITIVE HTS 1.3 VECT. (208L dr)	0	993860	5,200	L	416	416	416	624	416	416	416	624	416	416	416	208
3636066	ABRASIVE SiC ESK P1000 (150 KG/drum)	0	992610	0	KG	0	0	0	0	0	0	0	0	0	0	0	0
5400391	CLEANER for Corona wire	14	300206	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5401034	DESICCANT MITY DRY-3	0	321610	0	BAG	0	0	0	0	0	0	0	0	0	0	0	0
5403785	ADDITIVE COOLING WATER AC1400	2	340111	7	BOT	0	1	1	2	1	0	0	0	0	0	2	0
5403872	ACETIC ACID 35% non-glacial 450#/DRUM	1	992210	74	DRM	14	12	15	14	12	7	0	1	0	0	-1	0
5403888	ADDITIVE ANTI-FUNGAL AC1400 COOLING	2	321610	5	BOT	0	1	1	0	1	0	0	0	0	0	2	0
5404258	REAGENT amino acid F package F HACH 5000	6	321610	45	PAC	3	4	4	4	5	3	4	3	4	5	3	3
5404259	REAGENT citric acid/surfactant	6	321610	45	PC	3	4	4	4	5	3	4	3	4	5	3	3
5404260	REAGENT molybdate 3	6	321610	46	PC	3	4	4	4	5	3	4	3	4	5	3	4
5404261	REAGENT silica standard solution	7	321610	45	PC	3	4	4	4	5	3	4	3	4	5	3	3
5404267	GREASE ADE	2	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5404268	GREASE ADE	2	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5404749	UPW COAGULENT 475# DRUM RODI	4	321610	29	PC	3	3	3	2	2	3	3	3	0	2	2	3
5404895	GREASE Shell Darina EP 2	4	230601	10	PC	0	0	0	0	0	0	0	10	0	0	0	0
5405473	GREASE KRYTOX GP1206 (2 oz.)	2	230601	3	PC	0	0	0	0	1	0	0	0	0	2	0	0
5405474	OIL FOMBLIN 525/5	0	230601	1	PC	0	0	0	0	0	0	0	0	0	1	0	0
5405550	Oil Krytox 1524 Edwards High Vacuum	6	364191	7	PC	3	0	0	2	0	2	0	0	0	0	0	0
5405551	GREASE KRYTOX 240AD PFPE 2 OZ	5	230601	2	PC	0	0	0	0	2	0	0	0	0	0	0	0
5406198	GREASE Klüber Isoflex Topas NCA 52	24	230601	52	PC	3	6	2	4	2	6	10	2	2	6	9	0
5406902	PAINT Krylon white enamel glossy	6	221701	11	CAN	0	0	1	2	0	4	4	0	0	0	0	0
5406903	PAINT gray primer 2X982 16 OZ.	13	221701	9	CAN	0	0	1	3	0	4	0	1	0	0	0	0
5406904	PAINT SUPERCOAT 316L SS AEROSOL CAN	8	221701	2	CAN	0	0	0	1	0	0	0	0	0	0	1	0
5406907	PAINT Equipment Orange	3	221701	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5406908	PAINT Ford red	2	221701	4	PC	0	0	0	0	0	0	3	1	0	0	0	0
5406909	PAINT high heat black	6	221701	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5406910	PAINT Chrysler blue	4	221701	6	PC	0	2	0	2	0	0	0	0	0	0	2	0
5406912	PAINT glossy black spray can #84000	3	221701	7	CAN	0	1	0	0	3	0	2	0	1	0	0	0
5407102	SEALANT silicon clear 3 oz tube	4	230790	6	PC	0	0	5	0	0	1	0	0	0	0	0	0
5407103	SEALANT silicone white 10.3 OZ tube	4	230790	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5407104	SEALANT rubber silicone RTV GE#W102	5	230790	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5407105	PASTE SILICON P12 WARMELEITPASTE	29	301401	7	PC	3	0	0	3	1	0	0	0	0	0	0	0
5407106	SILICONE RTV high temp red mak-a-gasket	7	230790	3	CAN	0	0	0	0	0	0	0	0	0	0	3	0
5407107	SILICONE RTV HIGH TEMP BLUE MAK-A-GASKET	5	230790	4	CAN	1	0	0	0	0	0	0	0	0	0	3	0
5407108	SILICONE RTV HIGH TEMP CLEAR	12	230790	15	CAN	0	0	4	0	0	0	0	0	1	0	10	0
5407326	SODIUM HYDROXIDE 50% CAUSTIC SODA LIQUID	0	992212	249	DRM	11	7	14	17	10	13	21	22	34	48	46	6
5407328	CLEANER instant contact #CRC-03070	8	992214	1	CAN	0	0	0	0	0	0	0	0	0	0	0	1
5407329	CLEANER FLOOR FPH-7 (6 BOXES = 1 CASE)	6	992214	0	CAS	0	0	0	0	0	0	0	0	0	0	0	0
5407330	CLEANER DUST CHASER SPRAY	29	992214	120	CAN	21	0	3	12	26	6	4	14	1	8	19	6
5407331	DEGREASER gel engine	3	992214	2	CAN	0	0	0	0	0	0	0	0	0	2	0	0
5407332	CLEANER electric motor KAR #65390-2	4	992214	2	CAN	0	0	0	0	0	0	0	0	0	2	0	0
5407334	STRIPPER/REMOVER PAINT, CARBON & GASKETS	5	992212	2	CAN	0	0	0	2	0	0	0	0	0	0	0	0
5407339	AMMONIUM HYDROXIDE 28-30% CLASS 10 340#	0	992214	202	DRM	16	15	16	18	16	17	18	18	17	18	17	16
5407341	HYDROGEN PEROXIDE 30% CLASS 10 (4 GL/CS)	0	992214	160	CAS	11	11	8	12	15	16	12	17	12	13	16	17
5407348	RUST-INHIBITOR VECTOR HTR (208L dr)	0	992210	22	DRM	2	1	2	1	2	2	2	2	3	1	2	2
5407349	LAPPING VEHICLE HTS 1.4 (208L dr)	0	992216	105	DRM	9	9	10	9	8	9	9	8	9	9	8	8
5407351	HYDROFLUORIC ACID Class 10 bulk product	0	992212	115,555	LIB	9,621	9,683	9,354	9,885	10,641	8,813	11,372	10,394	9,039	10,767	8,825	7,161
5407353	NITRIC ACID class 10 bulk product	0	992212	1,807,966	LIB	145,112	136,904	145,300	136,258	167,696	149,616	169,108	156,808	161,684	156,168	157,448	125,864
5407354	HYDROCHLORIC ACID SEMIGRD 10#BTL 4BTL/CS	0	992214	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5407355	HYDROFLUORIC ACID class 10 grade drum	0	992214	114	DRM	10	7	11	10	8	12	8	11	10	8	9	10
5407358	ETCHANT ALUMINUM 16-1-1-2	0	992212	0	CAS	0	0	0	0	0	0	0	0	0	0	0	0
5407359	HYDROCHLORIC ACID 35-37% - Kanto	0	992214	24	PC	0	12	0	0	10	0	2	0	0	0	0	0
5407361	NITRIC ACID CLASS 10 GRADE 55GAL/DRUM	0	992212	14	DRM	1	2	0	1	2	1	0	1	3	1	1	1
5407362	HYDROCHLORIC ACID 37% PPB GRD 55GAL/DRUM	0	992214	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407366	SLURRY 3900 Glanzox polishing cmpd (bag)	0	993850	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5407367	SLURRY 3900-200 Glanzox 55gal/drum	0	993850	1,101	DRM	106	90	96	88	79	72	94	89	95	104	86	102
5407368	SLURRY FINAL POLISH RODEL XSL3476 (LS10)	0	993850	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407370	SLURRY edge Mirror II P/N RD94047-280	0	993850	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0

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5407371	SLURRY HP20-220 Glanzox 55gal/drum	0	992710	100	DRM	10	6	8	8	7	8	9	9	9	7	7	12
5407372	SLURRY HP20-20 Glanzox (bucket) rough &	0	993850	0	CAN	0	0	0	0	0	0	0	0	0	0	0	0
5407374	ETHANOL V-1 200 (VANZOL)	0	992210	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407375	ACETONE	0	992210	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407376	ISOPROPYL ALCOHOL (IPA) 99%	0	992214	59	DRM	5	5	3	3	6	5	6	5	6	5	5	5
5407377	PHENOLPHTHALEIN INDICATOR SOLUTION 1L	3	321610	1	PC	0	0	0	0	0	0	1	0	0	0	0	0
5407378	SODIUM HYDROXIDE 1.000 NORMAL 1 GAL	0	992212	11	PC	1	1	1	1	1	1	3	1	0	0	0	1
5407379	POTASSIUM PERMANGANATE 0.5000 NORMAL	0	321610	31	PC	2	2	2	5	1	4	3	3	2	4	1	2
5407380	SULFURIC ACID 25% +/-0.5% by weight 1gal	0	992216	43	PC	5	3	4	4	4	4	2	4	3	5	2	3
5407381	CALCIUM CHLORIDE BRINER GRADE (50#/BG)	0	992210	0	BAG	0	0	0	0	0	0	0	0	0	0	0	0
5407382	COOLANT grind spindle heat exchanger STC	4	992210	11	BOT	1	0	7	0	2	0	1	0	0	0	0	0
5407389	SODIUM METABISULFITE 50#BG	0	321610	253	BAG	20	18	22	28	22	22	25	22	19	21	16	18
5407390	SULFURIC ACID 50% +/-1.0% W/W 1 gal	0	992214	0	GAL	0	0	0	0	0	0	0	0	0	0	0	0
5407391	SULFURIC ACID 0.1000 Normal 4 liter BTL	0	992214	29	PC	2	2	2	2	3	3	2	2	1	5	2	3
5407392	ANTIFOAM SAG 710 470#/DRUM	0	321610	3	DRM	0	2	0	0	0	0	0	0	1	0	0	0
5407393	TETRAMETHYLAMMONIUM HYDROXIDE (TMAH) 25%	0	992214	283	GAL	27	26	23	24	20	19	18	27	20	31	24	24
5407394	TETRAMETHYLAMMONIUM HYDROXIDE (TMAH) 25%	0	992214	276	DRM	23	20	21	23	24	22	24	23	23	25	24	24
5407399	ABRASIVE aluminum oxide 15um	0	992610	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407401	ABRASIVE AL OX F90-100	0	992610	0	KG	0	0	0	0	0	0	0	0	0	0	0	0
5407402	ABRASIVE AL OX WCA-30 20KG	12	992610	67	BOX	7	6	7	5	8	9	7	3	6	2	3	4
5407403	ABRASIVE QUARTZ POWDER FQ2000	0	993850	780	KG	45	90	75	15	45	135	105	15	150	0	60	45
5407407	RUST-INHIBITOR RP-TEAM (55 GAL DR)	6	992216	30	PC	4	4	4	4	4	4	4	2	0	0	0	0
5407409	GREASE Dow Corning Molykote BR-2 plus	0	230601	3	PC	2	0	0	0	0	0	0	1	0	0	0	0
5407410	GREASE HIGH VACUUM DOW 976-V 5.3 OZ TUBE	5	230601	16	PC	5	0	1	0	0	0	3	3	0	0	3	1
5407411	GREASE TEFLON SYNCOLUBE EP SCC-5-145	10	230601	4	PC	0	0	0	2	0	1	0	0	0	1	0	0
5407412	GREASE BARRIERTA L55/2 1 KG CAN	2	230601	1	CAN	0	0	0	0	1	0	0	0	0	0	0	0
5407413	GREASE CHRISTO LUBE	1	230601	1	PC	1	0	0	0	0	0	0	0	0	0	0	0
5407414	GREASE APIEZON-M HI VACUUM HPC59330-040	2	230601	2	PC	1	0	1	0	0	0	0	0	0	0	0	0
5407416	GREASE UNIREX N3 (EXON) AC1400	3	230601	0	PL	0	0	0	0	0	0	0	0	0	0	0	0
5407417	ELECTROLYTE HYDROGEN CHLORIDE	3	992212	3	BOT	0	0	0	0	0	0	3	0	0	0	0	0
5407418	ELECTROLYTE HYDROGEN FLUORIDE	5	992212	3	BOT	0	0	0	0	0	0	3	0	0	0	0	0
5407419	OIL VACUUM MORLINA 100	2	230601	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407420	OIL VACUUM PUMP DOUBLE DISTILLED 1 ltr	22	230601	3	BOT	0	0	0	0	0	0	3	0	0	0	0	0
5407421	Oil Vac Pump TXGAHP 20-20	21	230601	49	CAN	2	2	7	0	4	5	7	4	2	4	7	5
5407422	OIL Tellus 32	1	230601	1	DRM	0	0	0	1	0	0	0	0	0	0	0	0
5407424	DIPROPYLENE GLYCOL 470#/55GAL DRUM	0	992210	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407425	OIL DTE-25 MOBIL (TELLUS 46)	2	230601	6	CAN	0	0	0	0	0	6	0	0	0	0	0	0
5407427	OIL GEAR MOBIL GLYGOYLE 30	0	230601	6	DRM	1	1	0	0	1	0	1	0	0	0	0	2
5407428	OIL TONNA V 68 LINEAR WAY LUBRICANT	1	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5407429	OIL HYDREM ORDER NO. 8111005 NLG 22.70	2	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5407431	LUBRICANT CRC 3-36 16oz can	37	230601	57	PC	0	0	1	13	6	0	12	13	12	0	0	0
5407432	LUBRICANT Parker-O-Lube #884-4	0	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5407433	LUBRICANT CRC 3-36 (1 gallon)	2	230601	2	GAL	0	0	0	0	0	0	0	1	0	0	1	0
5407434	GREASE ALVANIA EP 2 LITHIUM BASE	10	230601	36	PC	3	2	0	16	2	0	9	0	0	4	0	0
5407435	LUBE teflon #79417	6	230601	0	CAN	0	0	0	0	0	0	0	0	0	0	0	0
5407436	LUBRICANT teflon dry #79418	0	230601	0	CAN	0	0	0	0	0	0	0	0	0	0	0	0
5407437	LUBRICANT MOLY HIGH TEMP	4	230601	0	CAN	0	0	0	0	0	0	0	0	0	0	0	0
5407438	LUBE OPEN CHAIN & SPROCKET #65389	2	230601	4	CAN	1	0	0	0	0	3	0	0	0	0	0	0
5407440	HELIUM GR 4.7 50PPM MAX IMP FOR LEAK DET	0	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5407441	HELIUM GRADE 6 (99.9999% PURE)	0	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5407442	AIR 2.0 200# CYL LESS THAN 2PPM THC	1	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5407443	NITROGEN GRADE 5 (99.999%)	49	992410	1,124	CYL	88	64	99	105	83	112	90	98	82	78	105	120
5407444	OXYGEN GRADE 4.3 SIZE 300	0	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5407445	ARGON GRADE 5 (99.999% PURE)	10	992410	92	CYL	4	6	8	8	5	8	7	16	4	10	12	4
5407446	ARGON / 20% HELIUM MIXTURE	0	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5407447	HYDROGEN 1% BALANCE AIR	0	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5407448	HCL GRADE 5 - EPI GAS	0	992410	4,298	CYL	340	298	357	352	362	364	387	363	339	376	366	394
5407449	TRICHLOROSILANE (TCS) ELECTRONIC GRADE 5	0	992410	427	CYL	34	29	36	37	36	39	39	39	36	35	33	34
5407450	NITRIC OXIDE 80PPM	1	992410	2	CYL	0	1	0	0	0	0	0	1	0	0	0	0
5407451	HYDROGEN bulk product tank	0	992410	968,898	CCF	88,141	66,225	67,768	87,624	82,351	81,634	85,514	80,349	66,624	95,597	73,118	93,953
5407452	ARGON BULK PRODUCT	3,110	992410	14,468	CCF	1,160	960	936	935	1,299	1,945	1,239	1,236	1,430	1,220	1,046	1,062
5407455	NITROGEN BULK PRODUCT	85	992410	280,796	CCF	19,008	21,268	9,348	15,720	11,524	31,479	37,236	37,260	9,824	53,424	16,688	18,017

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5407456	LEAK-detector snoop 8 OZ tube MS-SNOOP-8	6	400598	10	PC	0	0	0	0	0	0	2	4	0	0	4	0
5407470	CLEANER zero residue instant tech spray	0	300214	0	CAN	0	0	0	0	0	0	0	0	0	0	0	0
5407476	DETERGENT LIQUID LIQUINOX 1 QT	0	992216	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5407478	PH BUFFER 12 Ricca 16oz	8	321610	31	BOT	4	5	1	2	1	1	6	3	0	4	0	4
5407480	STEPANOL AM AMMONIUM LAURYL SULFATE	0	992216	13	DRM	1	0	2	1	1	2	0	2	1	1	1	1
5407483	TERGITOL surfactant MIN-FOAM 1X 1 QT	0	992216	385	CAN	36	24	36	34	39	30	28	37	28	32	21	40
5407497	DETERGENT polish plate clean Devel A	52	992210	673	PL	50	46	55	61	53	67	50	58	58	57	56	62
5407543	PH BUFFER PH 10 B 304 (BLUE)	4	321610	30	GAL	2	2	3	6	0	2	3	2	3	4	2	1
5407544	PH BUFFER PH 7 HPC (YELLOW)	10	321610	27	GAL	3	3	0	4	0	4	3	4	0	4	1	1
5407545	PH BUFFER PH 4 HP (RED)	2	321610	5	GAL	0	0	0	0	0	0	1	2	0	1	1	0
5407939	Q9 DETERGENT 200L/55GAL DRUM	0	992216	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5407940	VANWET 9N9 480#/55GAL DRUM	0	992216	33	DRM	2	1	3	4	4	2	3	3	3	3	1	4
5407941	CITRIC ACID ANHYDROUS USP GRADE 50#	0	992210	285	BAG	21	18	24	14	25	23	28	28	33	25	23	23
5407942	POTASSIUM CARBONATE ANHYDROUS GRANULAR	0	992210	297	DRM	25	21	28	25	25	23	23	25	25	27	27	23
5407943	POTASSIUM HYDROXIDE (KOH) PELLETS 110#	0	992212	2,554	DRM	194	199	231	200	207	204	222	222	227	222	239	187
5407946	ANTI-SEIZE HIGH TEMP INDUSTRIAL 1LB	0	321610	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5407947	LUBRICANT SILICON	4	230601	0	CAN	0	0	0	0	0	0	0	0	0	0	0	0
5407948	GREASE MULTI PURPOSE WHITE	6	230601	2	PC	0	0	2	0	0	0	0	0	0	0	0	0
5407950	PAINT OSHA orange spray can	1	221701	1	CAN	0	0	0	1	0	0	0	0	0	0	0	0
5407953	VINNAPAS C305 (solution) 1 liter	4	321610	1	BOT	0	0	0	0	1	0	0	0	0	0	0	0
5407955	EPOXY VALTRON AD1230 4-1 GAL/CS PART A	2	242606	0	CAS	0	0	0	0	0	0	0	0	0	0	0	0
5407966	ADHESIVE 10ML blue thred	0	242606	2	PC	0	0	1	0	0	0	0	0	1	0	0	0
5407967	ADHESIVE all purpose & trim #77160	2	242606	1	CAN	0	0	0	0	0	0	0	0	1	0	0	0
5410229	OIL DP HE 300 (500 ML/BTL)	5	230601	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5410534	OIL AEROKROIL LOOSENS FROZEN METAL PARTS	28	230601	33	PC	0	0	14	0	0	3	0	2	0	12	0	2
5410708	SOLUTION ORP CAL 200 millivolt	1	321610	2	PC	0	1	0	0	0	0	1	0	0	0	0	0
5410872	PAINT spray yellow	5	221701	2	CAN	0	0	0	0	0	0	0	0	0	0	2	0
5411235	CLEANER OPTICS MAGNAFLUX FOR AB LASER	4	992214	1	PC	0	1	0	0	0	0	0	0	0	0	0	0
5411895	LUBRICANT spindle 10 (notch grind)	23	230601	2	PC	0	0	0	0	0	1	0	0	0	0	0	1
5412656	LAPPING VEHICLE HTS 1.3 55GAL/DRUM	0	992210	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5412841	SOLUTION storage ph (Edge Polish) 475ml	0	992210	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5412997	ADHESIVE high-temp epoxy Duralco 4703-1	0	242606	0	KIT	0	0	0	0	0	0	0	0	0	0	0	0
5413014	ANTIFOAM SAG 795 55GAL/DR	0	302401	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5413200	ABRASIVE aluminum oxide 5.75um	0	992610	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5413542	WAX SKYLIQUID CLEAR HF4011 2 LITER	0	260206	4,290	BOT	396	0	660	348	456	342	444	324	354	354	420	192
5413766	GREASE AFA 70g THK bellows applicator	7	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5414028	LUBRICANT CRC 3-36 (5 gallon)	0	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5414518	HYDROFLUORIC ACID 25% finite grade 1L	0	992214	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5414519	HYDROFLUORIC ACID 26% Kanto	0	992214	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5415107	ACETONE semiconductor grade 4 gal/CS	0	992212	7	CAS	1	0	0	1	0	1	0	1	0	1	1	1
5415235	CALCINED-ALUMINA Fujimi PWA10 20kg/ctn	0	992610	4,967	CA	440	407	435	408	420	380	447	393	420	409	416	392
5415342	OIL synthetic 1qt cyl, belt mtr grbx	2	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5415622	GREASE Kellenberger	1	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5415680	FLUID hydraulic HF-101 Enerpac pump	2	364191	3	GAL	0	0	2	0	0	0	0	0	0	0	1	0
5415700	OIL lube Huskey 16-3 red-dyed 5 gal/ea	1	230601	2	PL	0	0	1	0	0	0	0	1	0	0	0	0
5415980	GAS calibrating 500ppm H2 ASM/Centura	10	981580	2	PC	0	0	2	0	0	0	0	0	0	0	0	0
5416100	GREASE Krytox GPL203 1# cartridge	0	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5416108	HYDROFLUORIC ACID 50%	0	992214	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5416178	RARE-EARTH copper oxide LECO/GFA	0	321610	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5416180	STICKS copper LECO/GFA	0	321610	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5416181	ANHYDRONE (CO2 absorber) LECO/GFA	0	321610	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5416182	LECOSORB (CO2 absorber) LECO/GFA	0	321610	0	BOT	0	0	0	0	0	0	0	0	0	0	0	0
5416266	DIPROPYLENE GLYCOL reclaimed	0	992210	0	KG	0	0	0	0	0	0	0	0	0	0	0	0
5416491	HYDROFLUORIC ACID 60% Bulk Fab2	0	992212	141,198	LIB	9,330	9,330	13,113	8,211	14,014	9,708	11,010	19,218	4,852	10,822	14,160	17,430
5416506	SLURRY Fujimi Glanzox-1101, 55 gal dr	0	992710	169	DRM	12	9	13	10	14	14	18	14	17	14	15	19
5416534	ABRASIVE lapping Fujimi PWA 15 20kg/ctn	0	992610	1,039	CA	96	76	109	91	98	93	83	111	82	80	67	53
5416604	LOCTITE 577 in 50ml Tube HCT Fab2 BSPP	3	230601	21	PC	1	0	3	3	0	4	3	0	1	4	1	1
5416608	GREASE Calypso for RENA Etcher	3	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5416646	SILAPUR 50 55 gal drum	0	992216	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5416647	SULFOSUCCINIC Acid 55 gal drum	0	992214	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5416688	SLURRY Glanzox 2101 Polishing (200kgs.)	0	993850	303	DRM	25	22	24	23	27	24	27	26	24	26	28	27
5416726	CLEANER solution Branson LRS ABC Compnd	10	992214	10	GAL	0	0	0	0	0	0	2	0	4	2	0	2

Sorted SAP Inventory 2006

M#	Product Name	Stock	Mat Gp	Used	UOM	Jan-06	Feb-06	Mar-06	Apr-06	May-06	Jun-06	Jul-06	Aug-06	Sep-06	Oct-06	Nov-06	Dec-06
5416770	GREASE Kluberplex BEM 34-132	13	230601	9	PC	0	3	1	0	5	0	0	0	0	0	0	0
5416773	ADHESIVE 3M 1300 Rubber & Gasket 5oz	5	233301	4	PC	1	0	0	1	0	0	1	0	0	0	1	0
5416791	HYDROGEN PEROXIDE 30%, 212KG/DRUM, 10PPT	0	992214	123	DRM	11	10	12	12	10	10	11	9	9	11	8	10
5509214	Oil mineral Kluber 4 UH1-100	2	230601	1	KG	0	1	0	0	0	0	0	0	0	0	0	0
5509372	GREASE syn. marine grd. Mobilith SHC PM	13	230601	51	PC	5	0	8	4	0	4	9	0	6	2	7	6
5509411	ARSINE 10 ppm / H2	0	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5509412	DIBORANE 25 ppm / H2	0	992410	2	CYL	0	0	0	0	0	0	0	0	0	0	2	0
5509413	DIBORANE 50 ppm / H2	0	992410	105	CYL	12	9	9	6	7	8	8	8	10	9	9	10
5509414	DIBORANE 100 ppm / H2	0	992410	25	CYL	0	2	1	0	3	4	6	1	3	2	1	2
5509415	DIBORANE 1000 ppm / H2	0	992410	46	CYL	1	2	6	4	5	6	3	5	5	4	4	1
5509416	PHOSPHINE 10 ppm / H2	0	992410	134	CYL	9	6	11	14	13	17	5	13	13	10	12	11
5509417	PHOSPHINE 30 ppm / H2	1	992410	16	CYL	3	1	1	3	4	3	2	0	0	0	0	-1
5509418	PHOSPHINE 50 ppm / H2	0	992410	83	CYL	7	4	5	5	5	8	7	8	10	7	8	9
5509419	PHOSPHINE 100 ppm / H2	0	992410	111	CYL	9	4	15	7	7	13	10	7	11	9	11	8
5509420	PHOSPHINE 1000 ppm / H2	0	992410	19	CYL	2	2	3	0	0	1	2	2	2	2	2	1
5509448	DIBORANE 200ppm / H2	0	992410	16	CYL	2	0	1	3	0	2	2	3	0	1	1	1
5509460	DETERGENT glass plate	1	992214	2	BOX	0	1	1	0	0	0	0	0	0	0	0	0
5510631	HYDROCHLORIC Acid 35-37% 500# drum	0	992214	120	DRM	11	10	11	10	12	11	8	11	9	9	11	7
5510633	OIL Chevron Gear Compound EP ISO 220	1	230601	0	PL	0	0	0	0	0	0	0	0	0	0	0	0
5510953	GREASE Dow 33 extreme low temp bearing	3	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5511174	HYDROGEN peroxide 30%, 1 ppb, 210kg/dr	0	992214	591	DRM	45	46	55	44	52	51	50	55	51	50	47	45
5512302	lubricant Brayco 804	0	981580	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5512304	Lubricant Tri-Flow with teflon	8	230601	22	PC	8	0	2	0	0	4	2	0	3	0	3	0
5512306	lubricant Brayco 1624	0	981580	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5512597	LUBRICANT air tool lube plqt	0	230601	8	PC	1	0	1	1	0	1	0	1	1	1	1	0
5513174	Powder Lapping Micro Abrasive WCA12EG	0	992610	0	BOX	0	0	0	0	0	0	0	0	0	0	0	0
5515177	HCL high purity in cylinders use 5407448	0	992410	0	CYL	0	0	0	0	0	0	0	0	0	0	0	0
5516440	GREASE RETINAX LC (30/CS)	34	230601	1	PC	0	1	0	0	0	0	0	0	0	0	0	0
5516514	BOTTLE IPA high purity (4x1-gal cs)	27	992214	86	PC	2	0	0	4	0	0	0	0	0	0	0	80
5517122	POTASSIUM HYDROXIDE (KOH) PELLETS 87-wt%	0	992210	0	CA	0	0	0	0	0	0	0	0	0	0	0	0
5517526	SURFONIC N-95LS	0	992216	10	DRM	1	1	1	0	1	0	1	1	1	1	2	0
5517840	DYE CRYSTAL VIOLET EM SCIENCE	0	301906	169	BOT	10	14	12	17	12	14	12	14	14	14	12	24
5521865	EDGE MIRROR 4 EDGE-POLISH SLURRY 240 kg	0	993850	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5522458	WAX Thin Skyliquid KN-25449 2ltr/btl	0	260206	66	BOT	12	0	18	6	0	0	0	6	12	0	6	6
5522536	GREASE Heat Transfer Eletrolube HTC35SL	1	230601	2	TU	0	0	1	0	0	0	0	0	0	0	1	0
5522537	GREASE MWS Bearing Box Electrolube CG60	2	230601	8	TN	1	0	1	0	2	0	1	0	1	1	0	1
5522733	GREASE Fomblin p/n AR555	2	230601	1	PC	1	0	0	0	0	0	0	0	0	0	0	0
5522987	Epoxy Valtron AD1339A/AD3939B 200cc 1:1	408	992210	3,552	PC	312	228	336	264	324	276	324	312	300	312	276	288
5523045	Cylinder, Small Helium Grade 5.0	3	992410	4	CYL	0	0	0	0	0	2	2	0	0	0	0	0
5527433	TISAB II WITH CDTA	1	321610	36	GAL	2	2	4	2	3	3	3	3	3	3	6	2
5527484	SLURRY Final Polish Nissan AJ-W1FC 190kg	0	993850	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5527485	SLURRY Final Polish Nissan AJ-W1FC 20kg	0	993850	0	PL	0	0	0	0	0	0	0	0	0	0	0	0
5529542	GREASE Altemp QNB50 Kluber	5	230601	18	CTR	4	0	0	3	2	2	2	4	0	0	0	1
5529543	GREASE Isoflex NBU15 Kluber	2	230601	7	CTR	0	0	1	0	1	1	1	1	0	0	2	0
5529942	NITRIOUS OXIDE 99.994% 665 lbs.	0	992410	10	CYL	0	0	0	0	0	4	0	3	0	0	0	3
5530370	FERASIL Cleaning Agent (200 Ltr Drum)	2,000	992216	24,800	L	1,800	2,200	2,000	2,800	2,000	1,600	2,000	2,200	2,400	2,000	2,200	1,600
5531491	ADHESIVE epoxy decanter wear insert	0	242606	0	KIT	0	0	0	0	0	0	0	0	0	0	0	0
5532417	Abrasive grains for wire saw #1500	6,000	992610	287,800	KG	26,800	22,400	28,800	20,800	27,200	28,000	28,000	17,600	15,200	17,000	29,000	27,000
5533315	GREASE, Optitool 215-2 (25 grams)	4	230601	2	PC	0	0	0	0	0	1	0	0	0	0	0	1
5533331	OIL Vacuum Pump SAE 30-wt.	17	361091	15	QT	4	0	0	2	0	0	3	1	0	5	0	0
5533790	ADHESIVE Super Bonder 1 oz/ea	0	321610	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5533997	NITROGEN / 20% HELIUM MIXTURE	8	992410	238	CYL	11	14	19	18	19	21	19	25	25	22	24	21
5534073	RUST-INHIBITOR VECTOR HTR (5 gal/pail)	0	992210	0	PL	0	0	0	0	0	0	0	0	0	0	0	0
5536851	OIL Chevron GST ISO 46 (55 gal drum)	0	230601	0	DRM	0	0	0	0	0	0	0	0	0	0	0	0
5536853	TRICHLOROSILANE (TCS) ELECTRONIC GRADE 5	0	992410	78	CYL	4	5	5	6	5	5	5	5	5	10	11	12
5538366	SLURRY Glanzox 3101-200 55gal/drum	0	993850	118	DRM	12	11	11	11	11	10	11	10	9	8	9	5
5539911	GREASE Fomblin p/n YVAC3	0	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5539912	GREASE Fomblin YRT2	0	230601	0	PC	0	0	0	0	0	0	0	0	0	0	0	0
5540038	Ammonia Hydroxide NH4OH 30-w% 1-gal	0	992214	16	BOT	0	0	0	0	0	2	0	0	0	2	3	9
5540039	Glycol, Dowtherm 4000, 55 gal drum	0	992210	1	DRM	0	0	0	0	0	0	0	0	0	1	0	0
5542645	HYDROGEN PEROXIDE, 31% - 1 gal	0	992214	50	PC	5	0	4	0	0	7	4	4	4	6	8	8
5542646	NITRIC ACID, 68%, Ultrex II - 500ml btl	4	321610	25	PC	4	0	4	3	0	0	3	0	4	3	0	4

Sorted SAP Inventory 2006

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5542647	HYDROFLUORIC ACID, 49%, Ultrex II-500ml	5	321610	28	PC	0	5	4	3	0	6	3	0	4	0	0	3
5544365	SLURRY GLANZOX E301 EDGE POLISH 240 kg	0	993850	200	DRM	14	16	18	15	18	19	20	17	15	18	18	12
5545578	POLYETHYLENE GLYCOL 200 - 55 gal. dr.	0	992210	1,526	DRM	96	145	135	88	167	146	90	9	169	172	153	156
5545860	ABRASIVE SiC ESK P1000 - Reclaimed	0	992610	0	KG	0	0	0	0	0	0	0	0	0	0	0	0
5545861	POLYETHYLENE GLYCOL 200 - reclaimed	0	992210	106,000	KG	13,000	0	5,000	18,000	3,000	5,000	21,000	41,000	0	0	0	0
5546617	Trans - LC 1500cc	0	992210	6	PC	1	0	2	0	3	0	0	0	0	0	0	0
5546903	Nitrogen Trifluoride (NF3) 99.9%, 48-lb.	0	992410	29	CYL	2	1	2	3	3	4	2	3	3	2	2	2
5548357	ROClean P111 (5 gal pail)	54	300216	278	PL	38	40	0	50	0	32	0	37	0	40	31	10
5548358	ROClean P911 (5 gal pail)	63	300216	1	PL	0	1	0	0	0	0	0	0	0	0	0	0
5548508	Abrasive for wire saw #1500 - reclaimed	0	992610	59,490	KG	0	0	0	6,500	2,000	3,990	3,000	15,000	14,000	15,000	0	0

Objectives, Targets and Projects for Year 1999

Objective Reduce Releases to Water

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Team 1	**Acetic Acid 35%**	Reduce to 10% Acetic Acid in Tab Removal by Q2 '99	Acetic Acid reduction	S. Nghihem	5/30/1999

Date	Status	Review
5/30/1999	Project closed	
12/1/2000	Changed the acetic acid concentration back to 35%.	
12/2/2000	Change due to a problem w/ the cleanliness of incoming wafers from Slicing	

Objective Reduce Solid Waste

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Facility Operations	**Sludge -Silicon/Calcium Fluoride (WWTP)**	100% Recycle WWTP filter press cake by 4Q '99	TPS Sludge Recycling	P. Hoy, J. Darr	10/31/1999

Date	Status	Review
5/1/1999	Project opened, negotiating contract with TPS	12/31/1999
10/31/1999	100% Sludge recycling. Project Closed	
10/29/2000	Diversion of over 900 tons of sludge (total) from the landfill annually	
10/30/2000	Recycling percentages (total materials) increased to over 73%	

Facility Operations	**Sludges All - not recycled**	100% Recycle Sludge from North Sump by 4Q '99	TPS Sludge Recycling	P. Hoy, J. Darr	10/31/1999

Date	Status	Review
5/1/1999	Project opened, negotiating contract with TPS	12/31/1999
10/31/1999	100% Sludge recycling. Project Closed	
10/29/2000	Diversion of over 900 tons of sludge (total) from the landfill annually	
10/30/2000	Recycling percentages (total materials) increased to over 73%	

Team 1	**Sludge -Silicon/Calcium Fluoride (WWTP)**	Establish grindless process by Q2 '99	Low cost product without grinding #PAW P199.12	Ian McNickle	5/30/1999

Date	Status	Review
5/30/1999	Project closed	

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Objective Resource Conservation - Water, Energy, Chemicals

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Corporate Engineering	**Electricity**	Reduce energy consumption in Chillers by 2Q '99	Replace Fab 2 Glycol Chiller Project# 7000329	Bill Slottke	6/30/1999

Date	Status	Review
6/30/1999	Project closed	

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Corporate Engineering	**Water - Total City (Process Water)**	Replace Tower by end 4Q '99	Cooling Loop 3 Tower Replacement EWR# E20222	Bret Edwardsen	12/30/1999

Date	Status	Review
1/31/1999	Opened	6/30/1999
6/30/1999	Tower construction in progress	12/31/1999
12/30/1999	Tower operating Project Closed	

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Objectives, Targets and Projects for Year 2000

Objective Reduce Releases to Water

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Corporate Engineering	**Water - Total City (Process Water)**	Reuse 100% RO concentrate in Epi Scrubbers by end 2000.	Fab 2 RO Concentrate Reuse. Project #58091, EWR #E16577	Tim Kirk	8/1/2000

Date	Status	Review
7/29/2000	Capture wastewater from the RO filtration system for reuse in Epi scrubbers	
7/30/2000	Resulted in reuse of 130 gpm, (68.3 million gallons per year)	
7/31/2000	68.3 million gallons of water saved per year is for BOTH F1 & F2 projects	
8/1/2000	Project closed	

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Facility Operations	**Water - Total City (Process Water)**	Reuse 100% RO reject in Epi Scrubbers by end 1Q 2000	Reuse Fab 1 RO Concentrate EWR E16577	Tim Kirk	3/31/2000

Date	Status	Review
12/15/1999	Construction of storage tank, piping and pumps in progress	3/31/2000
3/30/2000	68.3 million gallons of water saved per year is for BOTH F1 & F2 projects	
3/31/2000	Project closed	

Objective Reduce Solid Waste

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Team 1	**Sludge -Silicon/Calcium Fluoride (WWTP)**	Continuous Slurry recycling by end Q2 2000	Slurry Recycling PTN # PA04.10.4/0059.	Greg Hildebrand	12/20/2000

Date	Status	Review
12/20/2000	Project closed	

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Team 2	**Wax from Enya**	Reduce wax waste from F2 wax mounting by Q4 2000	IDI Wax Pump #8012273	Darren Calaba	11/1/2000

Date	Status	Review
11/1/2000	Project closed	

SCOEPA00051435

Objective **Resource Conservation - Water, Energy, Chemicals**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Corporate Engineering	**Electricity**	Replace lighting in Fab 1 manufacturing by end 2000	Replace lighting in Fab 1. Project #58103	Moe Khorsandian	12/1/2000

Date	*Status*	*Review*
11/27/2000	Upgraded fixtures to energy efficient T-8 lamps and electronic ballasts	
11/28/2000	Fab 1 and Administration building.	
11/29/2000	Majority of 4 lamp fixtures converted to 2 lamp fixtures for added savings	
11/30/2000	Total energy savings from this project 1,042,698 KWH per year.	
12/2/2000	Total project cost (capital and expense) $81,125	
12/3/2000	Rebate from PGE $19,670	
12/4/2000	Tax credit from State $27,975, prorated over 5 years	
12/5/2000	Estimated annual dollar savings $38,580	
12/6/2000	Project closed	12/1/2000

Objectives, Targets and Projects for Year 2001

Objective **Resource Conservation - Water, Energy, Chemicals**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Team 2	**Refrigerant R-22**	Reduce consumption of Freon R-22	Eliminate Freon-based chillers used for polishing temperature control.	Don Leliefeld	6/6/2001
Team 2	**Potassium Hydroxide Pellets 110 lb**	Reduce consumption of KOH	Reduce consumption of KOH in Cell 3 etch bath by Q4 2001	Samantha Munoz	8/31/2001

Date	*Status*	*Review*
8/31/2001	Project completed	
11/5/2001	Reduction of approx. 6450 Kg of KOH pellets/year	
11/6/2001	which saved approximately $33,000/year in chemical purchase costs.	

SCOEPA00051436

Objectives, Targets and Projects for Year 2002

Objective Reduce Releases to Air

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Team 1	**Ozone depleting substances (R-22, R-11)**	Eliminate Freon R-134a consumption	Eliminate Freon based chillers used for lapping temp control by Q1-2002	Andrew Baker	11/20/2002

Date	Status	Review
11/20/2002	Chillers have been eliminated and project is closed. The old chillers are still on site, awaiting sale. They may be transferred to Germany for use as spare parts.	11/20/2002

Objective Resource Conservation - Water, Energy, Chemicals

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Team 1	**SLURRY Fujimi Glanzox-1101, 55 gal dr**	Reduce Lapping Slurry	Reduce lapping slurry waste by 40% via new suspension agent by Q2-2002	Samantha Munoz (Tony Howard)	8/31/2002

Date	Status	Review
11/20/2002	Completed August 2002. Theoretical reduction was supposed to be 33%, but actual reduction achieved in the month of August was 21%.	

Team 2	**Glanzox 3900-200 (55-gal drum)**	Reduce Polishing Slurry	Reduce Glanzox 3900 final polishing slurry by 25% Q2-2002	Dave Gore	12/1/2002

Date	Status	Review
12/1/2002	One month testing of 25% reduction in polishing slurry complete. Preliminary data looks good. Further testing for greater reductions planned if supported by data analysis.	

Team 3	**Trichlorosilane Grade 5**	Trichlorosilane Reduction	Reduce TCS consumption by 8% by process modification for certain products	Robert Delaurenti	4/30/2002

Date	Status	Review
11/20/2002	Reduced TCS flow: this process change reduced the TCS flow rate for EPI recipe 11-DSP. For FAB 2 a net consumption reduction of 14%. 38% reduction for I-57 and I-60 products. Overall reduction averages about 19%	11/20/2002

SCOEPA00051437

Objectives, Targets and Projects for Year 2003

Objective Reduce Releases to Water

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Facility Operations	**OWW (Organic Waste Water)**	Conservation of water by use reduction and recycling.	Rinse bath recovery (Q2-03)	Roger Courtain	9/1/2003

Date	Status	Review
1/15/2003	Identify rinse baths and water usage. Estimate the chemical dragout from chemical baths to rinse baths	
4/1/2003	Analysis of waste steam for BOD and Toxicity	
6/1/2003	First rinse bath steam diverted to CE	
1/19/2004	All Fab 2 selected rinse baths diverted to RDI tank. Evaluating how best to re-use this recovered water, I.e. back to RODI system or to EPI scrubbers.	1/20/2004

Objective Resource Conservation - Water, Energy, Chemicals

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Facility Maintenance	**Electricity**	Reduce energy consumption	Reduce cleanroon air flow to SEMI specs.	Bret Edwardsen	7/24/2003

Date	Status	Review
11/20/2002	Work is complete, but final report has not been delivered.	11/20/2003
7/24/2003	Report finished and submitted	7/24/2003

SCOEPA00051438

Objectives, Targets and Projects for Year 2004

Objective **Reduce Releases to Water**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Facility Operations	**Nitrates (released to river) from WWTP and Stormwater**	reduce nitrates to the Willamette River by approximately 300,000 lbs in 04	Ship acid off-site for re-use	John Thome, Myron Burr, Dave Cole	6/30/2004

Date	*Status*	*Review*
1/26/2004	Construction of tanker fill station is underway. Plan to start shipments by the end of February 2004	1/26/2004

Team 1	**Nitrates (released to river) from WWTP and Stormwater**	Reduce discharge of nitrates	Evaluate opportunities to recycle etch bath waste (CAED)	Myron Burr/ John Thome	1/13/2004

Date	*Status*	*Review*
6/22/2001	EWR #21334	
6/25/2001	Estimated HNO3 reduction to river of 200,000 kg/year	
1/21/2002	Project in on hold until Asimi commits to taking spent acid.	
4/26/2002	Investigation of alternative uses for spent acid - metal finishing industry	
11/20/2002	Currently investigating interest from Precision Cast Parts	11/20/2002
5/15/2003	Test totes to PCC	
1/13/2004	Building tanker fill station to ship spent acid to PCC	1/13/2004

SCOEPA00051439

Objective **Reduce Solid Waste**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Labs	**Wafers - scrap**	Non-destructive resistivity testing to reduce wafer scrap	Non-contact resistivity measurement (tap 1018)	David Barbieri	1/22/2004

Date	*Status*	*Review*
11/28/2003	Investigate necessity, decide, and align documentation. Closed pending acceptance of tool. Future actions will be tracked under main Epimet AR 0500.	1/22/2004

Team 1	**Sludge -Silicon/Calcium Fluoride (WWTP)**	10/1/03	PTN PA04.10.04/0091	Damon Doelger	1/20/2004

Date	*Status*	*Review*
3/20/2003	PTN open. Reduction of kerf loss by reducing the wire saw diameter.	7/23/2003
1/13/2004	PTN closed, still using 160u wire. Not implemented.	1/13/2004

Team 1	**Sludge -Silicon/Calcium Fluoride (WWTP)**	Reduce discharge of calcium fluoride as solids waste	Evaluate opportunities to recycle etch bath waste (CAED)	Myron Burr	1/13/2004

Date	*Status*	*Review*
6/22/2001	EWR #21334	
6/25/2001	Estimated HNO3 reduction to river of 200,000 kg/year	
1/21/2002	Project in on hold until Asimi commits to taking spent acid.	
4/26/2002	Investigation of alternative uses for spent acid - metal finishing industry	
11/20/2002	Currently investigating interest from Precision Cast Parts	11/20/2002
5/15/2003	Test totes to PCC	
1/13/2004	Building tanker fill station to ship spent acid to PCC	1/13/2004

SCOEPA00051440

Objective **Resource Conservation - Water, Energy, Chemicals**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Corporate Engineering	**DI Water (RODI & UPW) used**	Conservation of water by use reduction and recycling.	Rinse bath recovery (Q2-03)	Roger Courtain	9/1/2004

Date	*Status*	*Review*
1/15/2003	Identify rinse baths and water usage. Estimate the chemical dragout from chemical baths to rinse baths	
4/1/2003	Analysis of waste steam for BOD and Toxicity	
6/1/2003	First rinse bath steam diverted to CE	
1/19/2004	All Fab 2 selected rinse baths diverted to RDI tank. Evaluating how best to re-use this recovered water, I.e. back to RODI system or to EPI scrubbers.	1/20/2004

Team 1	**Potassium Hydroxide Pellets 110 lb**	Reduce consumption of KOH	Extend bath life and reduce KOH usage by 31,000 kg/year	Matt McGee (Eric Ireland)	1/20/2004

Date	*Status*	*Review*
6/25/2001	Project on track. Eric Ireland	
1/9/2003	The project initially started with an in-house modification of a batch mixer and installation of a device that measures the concentration of the KOH soln. KOH subdosing implemented Q4-01, reduced KOH consumption by 50%	1/9/2003
1/13/2003	The second part that was started up by the process engr. in the area has been underway since late December. This part of the KOH reduction has to do with extending the bathlife of the KOH etching bath. So far so good. The first test extended the bath from 70 to 210. The second test, evaluations still in process, extend the bath from 210 to 310.	1/13/2003
7/23/2003	I ended the bath life at 360 runs because of metals concerns. Original PTN set bath life at 210 runs. Bath life was increased to 280 runs from 210. Metals, removals and gloss were checked and compared to baseline. The bath-life was then increased to 350 runs. During the test a couple machine changes were implemented that affected the result. A different circulation pump was installed 12/26/02 and the bath overflow pipe was lowered ~4cm. The pump change caused increased usage because the bath consistently overflowed when wafers were etched. This was addressed by lowering the overflow pipe on 3/11/03. Significant reductions in KOH usage were the result. Each of these changes in the equipment was then followed by a recalculation of the Si offset for the inline refractometer.	7/23/2003
1/13/2004	Completed	1/20/2004

SCOEPA00051441

Objective **Resource Conservation - Water, Energy, Chemicals**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Team 1	**Nitrates (released to river) from WWTP and Stormwater**	Reduce the use of waste treatment chemicals	Evaluate opportunities to recycle etch bath waste (CAED)	Myron Burr/ John Thome	1/20/2004

Date	*Status*	*Review*
6/22/2001	EWR #21334	
6/25/2001	Estimated HNO3 reduction to river of 200,000 kg/year	
1/21/2002	Project in on hold until Asimi commits to taking spent acid.	
4/26/2002	Investigation of alternative uses for spent acid - metal finishing industry	
11/20/2002	Currently investigating interest from Precision Cast Parts	11/20/2002
5/15/2003	Test totes to PCC	
1/13/2004	Building tanker fill station to ship spent acid to PCC	1/13/2004

Team 3	**Trichlorosilane Grade 5**	Trichlorosilane Reduction	Centura EPI TCS Stabilization Time Reduction	Robert Delaurenti (Fumitoshi Ito)	1/20/2004

Date	*Status*	*Review*
11/20/2002	This process change will reduce the amount of time TCS flow is stabilized prior to epi deposition on the Centura reactors. Process characterization is currently underway. It is expected that implementation will begin in December 2002 and will be completed by April 2003. It is estimated that an additional 25% reduction in TCS consumption per micron of epi deposited can be achieved in Fab 2.	11/20/2002
7/23/2003	Because of other priorities we have not made any more progress on TCS reduction this year. However, we have a MECOP student who has resumed our work on this project. In fact, today I was in helping him do some recipe work in epi on this very subject. We hope to have some more progress in the next couple months, but for now no change.	7/23/2003
1/14/2004	Completed initial goals. Further work is not scheduled at this time.	1/20/2004

SCOEPA00051442

Objectives, Targets and Projects for Year 2005

Objective Reduce Solid Waste

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Team B/C Support	**Wafers - scrap**	Reduce chipped wafer losses from 1.0% to <0.5%	Reduction of Chipped Wafers (tap 259)	Gus Kiriakedis	1/7/2005

Date	*Status*	*Review*
1/20/2003	This package is being done in the sub-workpackage 261	2/27/2003
2/12/2003	PTN PS04.30.04/0041 underway	

Team B/C Support	**Wafers - scrap**	reduce chip losses by 0.1%	Energy meter in Edge Rounding (AR 261)	Gus Kiriakedis/ Charlie Bassford	1/7/2005

Date	*Status*	*Review*
2/12/2003	PTN PS04.30.04/0041 underway	1/1/2004
2/13/2004	Wafers to WSAG for testing	8/18/2004

SCOEPA00051443

Objective **Resource Conservation - Water, Energy, Chemicals**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Team B/C Support	**Dipropylene Glycol**	Reduction in wire saw diameter	Reduction in wire saw diameter (tap 274) PTN PS04.10.04/0153	Xaysavanh Sombounvong	1/7/2005

Date	*Status*	*Review*
10/1/2002	PTN for joint test of 140 µm wire and 75-25 recycled slurry on one Hauser will start CW 16. TK 4/17/03. 180 wire for NTCs will be consumed by mid May, so we can run 140 on all saws. TK 4/22/03. Running 140 wire on all NTCs (2 Bakaert, 2 JFS). Running HCTs 603 and 604 on 140 wire. Project on schedule TK 5/19/03. Due to wirebreaks and sawmarks, will reduce current 3 HCTs with 140 wire to one (603?). Will keep NTCs all running 140. Softer pulleys, reduced feed rate, increased wire feed are possible solutions to wirebreak problems. Complete changeover to 140 wire on the HCTs is delayed. TK 7/15/03. New completion date 12/31/03 TK 7/16/03. ECD date changed to 12/31/03 per RG meeting on 07/15/03. JO 07/16/03. Update 11/6/03 GH - 75/25 slurry recycling will be covered under a separate AR at a later time, pending decisions for site and global strategy for SiC and Thin Wire development. 140um wire has been implemented on the NTC will a slightly elevated (but manageable) wire break rate of 1.5-2.0%. Activities to reduce wirebreaks on the NTCs are ongoing. 140um wire has been reduced to a single HCT saw due to a much higher wirebreak rate >15% in October. Qualification testing of Stahlcord 160um wire (follows site strategy) on the HCTs is starting in Nov 03. MMI still working on commercial issues before full implementation of Stahlcord is possible.	11/6/2003

Team B/C Support	**Abrasive SiC ESK P1000**	Reduction in wire saw diameter	Reduction in wire saw diameter (tap 274) PTN PS04.10.04/0153	Xaysavanh Sombounvong	1/7/2005

Date	*Status*	*Review*
10/1/2002	PTN for joint test of 140 µm wire and 75-25 recycled slurry on one Hauser will start CW 16. TK 4/17/03. 180 wire for NTCs will be consumed by mid May, so we can run 140 on all saws. TK 4/22/03. Running 140 wire on all NTCs (2 Bakaert, 2 JFS). Running HCTs 603 and 604 on 140 wire. Project on schedule TK 5/19/03. Due to wirebreaks and sawmarks, will reduce current 3 HCTs with 140 wire to one (603?). Will keep NTCs all running 140. Softer pulleys, reduced feed rate, increased wire feed are possible solutions to wirebreak problems. Complete changeover to 140 wire on the HCTs is delayed. TK 7/15/03. New completion date 12/31/03 TK 7/16/03. ECD date changed to 12/31/03 per RG meeting on 07/15/03. JO 07/16/03. Update 11/6/03 GH - 75/25 slurry recycling will be covered under a separate AR at a later time, pending decisions for site and global strategy for SiC and Thin Wire development. 140um wire has been implemented on the NTC will a slightly elevated (but manageable) wire break rate of 1.5-2.0%. Activities to reduce wirebreaks on the NTCs are ongoing. 140um wire has been reduced to a single HCT saw due to a much higher wirebreak rate >15% in October. Qualification testing of Stahlcord 160um wire (follows site strategy) on the HCTs is starting in Nov 03. MMI still working on commercial issues before full implementation of Stahlcord is possible.	11/6/2003

Team D Polishing	**Vanwet 9N9 480#/55GAL Drum**	Reduce chemical usage	Evaluate reduced Automat Chemical Usage AR 1265	Tom D'Siva	1/10/2005

Team D Polishing	**Ammonium Hydroxide 28-30% Drum Class 10 340#**	Reduce plate oxidation by reducing ammonia usage	Reduce plate oxidation (tap 907)	Dave Gore	1/10/2005

Date	*Status*	*Review*
9/12/2003	on hold	

SCOEPA00051444

Objectives, Targets and Projects for Year 2006

Objective Reduce Releases to Air

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Corporate Engineering	**Carbon Dioxide emission (Greenhouse Gas)**	Reduce emmisson of carbon dioxide	Site Steam Conservation	Nick Fredericks	
	Date Status 8/27/2004 AR 1437			*Review*	

Objective Reduce Releases to Water

Department	Significant Aspect	Target	Project (EWR, PTN, PIN)	Owner	Completion Date
Corporate Engineering	**Nitrates (released to river) from WWTP and Stormwater**	Reduce usage of Nitric acid	Fab 1 HF/HNO3 Excess Chemical Usage	Nick Fredericks	
	Date Status 8/30/2004 AR 1439			*Review*	
Team B/C Support	**Nitrates (released to river) from WWTP and Stormwater**	Reduce consumables in Acid Etch	Extend bath life depending on the material resistivity ranges (tap 954)	Joe Wheat	
	Date Status 9/16/2003 See AR 954			*Review*	

SCOEPA00051445

Objective **Reduce Solid Waste**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Corporate Engineering	**Sludge -Silicon/Calcium Fluoride (WWTP)**	Reduce usage of Hydrofluoric acid	Fab 1 HF/HNO3 Excess Chemical Usage	Nick Fredericks	
	Date Status				*Review*
	8/30/2004 AR 1439				
Team 1	**Plastic Drums, recycle**	Change SiC from drums to super sack	Offsite Wire Saw Slurry Recovery (AR 1170)	Ron Nelson	
	Date Status				*Review*
	1/2/2004 see AR 1170				
Team 2	**Trash to landfill**	Increase pad life time	Final Polish Lifted Rinse	Jim Mullins	
	Date Status				*Review*
	12/23/2003 AR 1155				
Team A, Growing	**Wafers - scrap**	EPI CV reclaim	Reclaim of EPI rejects	Stan Meek	
	Date Status				*Review*
	6/4/2004 AR 1378				
Team B/C Support	**Wafers - scrap**	Reduction of broken wafers losses	test lightweight vacuum wands	Tom D'Silva	
	Date Status				*Review*
	1/30/2004 See AR 253				1/10/2005
Team D Polishing	**Wax from Enya**	Reduce spatter contamination of fresh wax layer	AR 898	Tom D'Si;va	
	Date Status				*Review*
	9/12/2003 AR 898				
Team E/F	**Wafers - scrap**	Reduce comsumption of CV wafers on AMT Reactors	Reduce comsumption of CV wafers on AMT Reactors (tap 266)	Kim Zimmerman	
	Date Status				*Review*
	1/30/2003 This needs to be monitored under a PTN for at least 30 days. Kim Zimmerman has already created a draft PTN and will have a PTN started on at least one reactor by 3/15. We will then need at least two weeks for data evaluation and PIN. EH 2/27/03				2/27/2003

SCOEPA00051446

Objective **Resource Conservation - Water, Energy, Chemicals**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Corporate Engineering	**DI Water (RODI & UPW) used**	Reduce consumption of City Water	SWW Project. Q1-03 (tap 1152)	John Thome	

Date	*Status*	*Review*
6/25/2001	Potential savings of over 50 gpm water, 24 hours / day.	
1/14/2002	Owner changed from Roger Courtain to John Thome	
1/17/2002	Meeting set with Portland Development Commission contractor ZWA	
1/13/2003	Met with ZWA representative. Some analysis of scale performed. Met with Mt Hood Chemical to discuss de-scant. Contacting various equipment suppliers to discuss the possibilities of mechanical separating scale for waste steam. PDC grant for engineering services.	
1/13/2004	Open but low priority. Currently making modifications to system.	1/20/2004
3/29/2004	AR 1152	
5/1/2004	Replaced city water with WAD. Appears to be working for now.	
6/1/2004	Problems with WWTP. Are they related to SWW project?	

Corporate Engineering	**Water from City**	Reduce usage of water purchased from City	Site Steam Conservation	Nick Fredericks	

Date	*Status*	*Review*
8/27/2004	AR 1437	

Corporate Engineering	**Water from City**	Reduce usage of City water	Fab 1 EPI scrubber waterbsavings	Nick Fredericks	

Date	*Status*	*Review*
10/5/2004	AR 1464	

Corporate Engineering	**Natural Gas**	Reduce usage of natural gas	Site Steam Conservation	Nick Frederick	

Date	*Status*	*Review*
8/27/2004	AR 1437	

Facility Operations	**Electricity**	Reduce electrical usage	Change Fab 1 compressed air system from inlet modulation to load/unload (tap 792)	Roger Courtain	

Date	*Status*	*Review*
2/9/2004	See AR 792	

SCOEPA00051447

Objective **Resource Conservation - Water, Energy, Chemicals**

Department	*Significant Aspect*	*Target*	*Project (EWR, PTN, PIN)*	*Owner*	*Completion Date*
Team 1	**OWW (Organic Waste Water)**	Reduce usage of 35% Acetic Acid	Reduce Acetic Acid in tab removal by 50%	Stephen Nghiem	
	Date *Status*				*Review*
	1/2/2004 See AR 1170				
Team 1	**Dipropylene Glycol**	Recycing of DPG	Offsite Wire Saw Slurry Recovery (AR 1170)	Damon Doelger/ Dave Cole/Greg Hildebrand	
	Date *Status*				*Review*
	1/2/2004 see AR 1170				
Team B/C Support	**Potassium Hydroxide Pellets 110 lb**	Reduce usage of Potassium Hydroxide	Extend Caustic Etch Bath Life	Tom D'Silva	
	Date *Status*				*Review*
	3/8/2004 New project AR 954				
Team B/C Support	**CCD (Conc. Caustic Drain) Fab 1 & 2**	Extend caustic etch baths life	Extend caustic etch baths life (AR 954)	Elaine Stache	
	Date *Status*				*Review*
	11/11/2004 SEE AR 954				
Team B/C Support	**DI Water (RODI & UPW) used**	Post-lapping cleaning elimination	Post-lapping cleaning elimination (tap271)	Elaine Stache	
	Date *Status*				*Review*
	1/30/2003 Currently the laser marked products go through the post lap clean on the SPEC bench, laser mark and then they go through the Steag pre-conditioning which includes cleaning baths similar to the post lap cleaning. The order is then acid etched. This project is to test whether we can route the product through the STEAG, laser mark and then Acid Etch, thereby eliminating the post lap cleaning. Effect on stain loss would have to be evaluated on a PTN. TD 2/11/03.The ECD on this TAP will be changed to 9/30/03				9/30/2003
Team D Polishing	**Wax Skyliquid Clear HF4011**	Reduce spatter contamination of fresh wax layer	ASR 898	Tom D'Silva	
	Date *Status*				*Review*
	9/12/2003 AR 898				

SCOEPA00051448

2004 ~~2003~~ TRI Water Dissociable Nitrate Compounds

The water Dissociable nitrate compounds come from two sources: the nitrates already existing in the materials used and from the neutralization of nitric acid to form calcium nitrate at the WWTP. Not all of the nitric acid used is neutralized at the WWTP.

Material	Material No	Use	UOM	lbs/Unit	Total	% as Nitrate	lbs of nitrate
10004	Wright Etch	64	GAL	9.348	598.27	11.65	69.70
10012	High Purity reagent Nitric Acid 70% lab use	52	BTL	1.553	80.76	68.88	55.62
10038	Nitrate Standard Solution	2	BTL	1.10	2.20	1	0.02
10158	Poly Etch 70:2:28	13	CS	47.41	616.33	68.88	424.53
10159	Aluminum Etch 16:1:1:2 (w/o Surfactant)	80	BTL	13.35	1,068.00	4.92	52.55
10176	Silicon Standard 10,000 ppm (125mL/btl)	12	BTL	0.276	3.31	1.97	0.07
10206	Reference Electrode Filling Solution	2	CS	0.584	1.17	10.5	0.12
10210	Nitrate Nitrogen Std Solution, 100 ppm	1	BTL	1.08	1.08	0.613	0.01
10254	Seven Anion Standard	1	BTL	0.110	0.11	0.014	0.00
10306	Lanthanum Nitrate 6 hydrate	4	BTL	1.000	4.00	19.07	0.76
5407353	Nitric Acid 70%, Bulk	1404384	LBS	1	1,404,384.00	68.386	960402.04
5407361	Nitric Acid Class 10 Grade	15	DR	575	8,625.00	68.386	5898.29
					lbs as nitrate as purchased		**966,904**

Nitrates sold as part of Metal Acid Etchant

Material Name	Material Number	Usage	UOM	lbs/UOM	lbs	% as nitric acid	Total lbs as HNO_3
PCC	1171	842840	lbs	1	842840	33.74	284,374
				lbs of nitrates sold (lbs of nitric acid sold x 62.01/63.02)			**279,817**

Water soluble nitrates losses

Nitric acid emissions & Treated off-site (see nitric sheet this workbook)

fugitive emissions	983	
Stack emissions	400	
NOx converted to Nitric acid	21098	
Treated Off site as nitric acid	336	
lbs of Nitric Acid not treated on site	22,816	
Converted to nitrate ion (lbs nitric X 62.01/63.02)	**22,451**	lbs of nitrate not treated on site

Wright Etch is part of Chrome Solution used in MC lab. All of Wright Etch used is in Chrome waste. Since it is part the above treated off site, the amount list is subtracted from the total nitrates

nitrates from Wright Etch **69.7**

Total lbs of nitrates treated on site **664,567**

lbs Water Soluble Nitrates as Calcium Nitrate

Assuming all HNO3 is neutralized with $Ca(OH)_2$ (CAD gets $Ca(OH)_2$; No known sources in WAD & OWW), then the lbs of water soluble nitrates as $Ca(NO_3)_2$ is equal to: **lbs $NO3^-$ to be neutralized X FW $Ca(NO3)_2$/(2 X FW NO_3^-)**

Chemical	$Ca(NO_3)_2$	NO_3^-	HNO_3
Formula Wt	164.1	62.01	63.02

lbs as calcium nitrate created on site **879,337**

This is above the TRI manufacture threshold of 25,000 pounds.

hours of diversion 2004 41

% Diversion 0.468

Total Released to POTW **3,110**

Based on information from the WWTP personal after a review of the WWTP log (by phone 1/24/05), the estimated % of CE diverted to the City of Portland for 2004 is 0.47% (Log indicates 41 hours of diversion for 2004).

SCOEPA00051450

TPST Soil Recycler of Oregon 9333 N Harborgate Street Portland OR 97203

A small amount of nitrates are part of the Filter Cake Press and so are shipped Off-Site

lbs of Filter Cake	ppm as nitrate ion by analysis	lbs as nitrate ion = lbs FC x ppm/1,000,000		
1432000	50.6	72.5	TPST	**72.5**

total lbs nitrates released to river **661,384**

SCOEPA00051451

Water Dissociable Nitrate Compounds

The maximum quantity of water Dissociable nitrate compounds on-site can be determined from the weekly testing for nitrates. The ppm nitrates in the effluent at CE times the flow gives the maximum lbs of nitrates per day.

Date of max	ppm nitrate	MGD	max lbs on nitrate on site
29-May-03	737	0.965	5936

A few lab reagent contain nitrates less than 25 lbs	25	
	5961	**max lbs of nitrates on site**

SCOEPA00051452

Fugitive Emissions (Section 5.1)

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance

Stack Emissions (Section 5.2)

Dissociable Nitrate Compounds

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance

Discharges to Streams and Water Bodies (Section 5.3)

Dissociable Nitrate Compounds

Stormwater Nitrates

Sample date	5/26/2004	11/2/2004		**average nitrate**	**1.54**	**mg/L**
North	2.20	0.88				
East	1.3	2.2				
South	2	0.88	Note: sampling point South may be contaminated with CE. The CE outfall and the South stormwater lines intersect at this point. So values for nitrates may be higher here than at the North & East point.			

Area		sq ft	% total	factor	weighed ave	factors from pg 44 instructions 2003 (used
Total Paved (mostly asphaltic)		1,191,000	32.6	0.85	0.277	higher values)
Roof		405,000	11.1	0.85	0.094	
Lawn & undeveloped		2,062,000	56.4	0.2	0.113	area from Stormwater Policy
	total area	**3,658,000**			**0.484**	

Average Rainfall	**inches**
Jan	5.35
Feb	3.85
Mar	3.56
Apr	2.39
May	2.06
Jun	1.48
Jul	0.63
Aug	1.09
Sep	1.75
Oct	2.67
Nov	5.34
Dec	6.13
theo total inches/yr	36.30
total feet /yr	**3.13**
actual total rain 2003 Underground weather .com	37.53

NOAA.GOV/PORTLAND Average monthly rainfall 1961 - 1990

7.48	gal/cu ft	
3.785	L/gal	
454	g/lb	
1000	mg/g	
Total gallons of rainfall/yr	41,383,455	rainft/yr X total area X 7.48 X weighed ave
Total Liters of rainfall/yr	156,636,378	gal/yr X 3.785
mg nitrate/yr	241,220,023	mg nitrate/L from analysis X total L/yr
Total lbs nitrates/yr	**531**	mg/(454 x 1000)
% nitrate discharged through stormwater	**0.08**	stormwater X 100/(total discharge + stormwater)
	Total lbs dicharged to Willamette River	**661,915**

SCOEPA00051453

Transfers to Other Off-site Locations (Section 6)

Dissociable Nitrate Compounds

A small amount of water soluble nitrates is included with the Filter Cake press

TPST Soil Recyclers of Oregon 9333 N Harborgate Street Portland, OR 97203 ORD000005280

	lbs Water Soluble	
lbs of Filter Cake Press	ppm NO_3 (as is)	lbs as NO_3^-
1,432,000	50.6	**72.5**

Transfers to the POTW (Section 6.1)

Based on information from the WWTP personal after a review of the WWTP log (by phone 1/24/05), the estimated % of CE diverted to the City of

Total Released to POTW	**3,110**

On-Site Waste Treatment Methods & Efficiency (Section 7)

1 Process Waste Water Flows

Month	Average gal/day	L per year
January		0.000E+00
February		0.000E+00
March		0.000E+00
April		0.000E+00
May		0.000E+00
June		0.000E+00
July		0.000E+00
August		0.000E+00
September		0.000E+00
October		0.000E+00
November		0.000E+00
December		0.000E+00
Annual Flow (Average) L per yr		**0.0000E+00**

Average flows (gal/day) in above table obtained from monthly NPDES DMRs for 2002. Annual flows (liters/year) obtained by multiplying gal/day times 3.785 liters/gal times 365 days/year and rounding.

Waste Water Treatment Plant

Waste stream code
W

Waste treatment codes:
C01 Lime - chemical precipitation
C09 Other - chemical precipitation
C11 Neutralization
P11 Settling/clarification
P12 Filtration
P13 Non-thermal sludge dewatering

Source Reduction and Recycling Activities (Section 8)

None of the chemicals were used for energy recovery or recycling on or off-site.
Quantity released = (fugitive emissions) + (stack emissions)
Quantity treated off-site = (Quantity transferred off-site)
Quantity treated on-site = (amount used/manufactured) - (quantity released) - (amount transferred off-site)

Water Dissociable Nitrates

Quantity released	**22,451**	**lbs of nitrate not treated on site (from nitric acid releases)**	
Quantity Purchased	**966,904**		
Quantity treated on site	**664,567**	**lbs Water Dissociable Nitrates**	
Quantity transferred to POTW	**3,110**	**lbs Water Dissociable Nitrates to POTW**	
Quantity treated off site	**142.2**	**lbs Water Dissociable Nitrates to TPS & Burrington**	treated-off site 3252.6
Stromwater release	**531**	**lbs Water Dissociable Nitrates River**	
Quantity released to River from WWTP	**661,384**	**lbs Water Dissociable Nitrates River**	
total released to river	**661,915**	**lbs Water Dissociable Nitrates River**	

SCOEPA00051456

Activity Index and Following Years

2003 Index = surface area of wafers produced in 2003 divided by surface area of wafers produced in 2002

2003			**2002**		
Fab 1 PRODUCTION QUANTITIES:			Fab 1 PRODUCTION QUANTITIES:		
Polish - 100		MCM2	Polish - 100	0.908	MCM2
Polish - 125	0.555	MCM2	Polish - 125	17.958	MCM2
Polish - 150	184.563	MCM2	Polish - 150	188.563	MCM2
Polish - 200		MCM2	Polish - 200		MCM2
Epi - 100	2.501	MCM2	Epi - 100	2.652	MCM2
Epi - 125	65.688	MCM2	Epi - 125	63.145	MCM2
Epi - 150	182.668	MCM2	Epi - 150	161.302	MCM2
Epi - 200		MCM2	Epi - 200		MCM2
Fab 2 PRODUCTION QUANTITIES:			Fab 2 PRODUCTION QUANTITIES:		
Polish - 200	268.117	MCM2	Polish - 200	248.435	MCM2
Epi - 200	209.544	MCM2	Epi - 200	243.252	MCM2
	913.636	MCM2		926.215	MCM2

2002 Index
0.986

Production forecast for 2003 is Mcm2
Production forecast for 2004 is Mcm2

SCOEPA00051457

HAZARDOUS WASTE - POUNDS

	Total Hazardous Waste	Haz Wst per Unit	Waste Alcohol	Waste Alcohol per Unit	Wax from Enya	Waste Wax per Unit	Chrome Sludge	Waste Chrome Sludge per Unit	Production (10³)
1985	1,326,800								
1986	1,087,805								
1987	594,975								
1988	304,183	0.71							430,000
1989	125,885	0.28							443,000
1990	77,041	0.16							470,000
1991	86,074	0.16							540,000
1992	14,198	0.03							520,000
1993	9,841	0.02							570,000
1994	11,800	0.02							708,000
1995	8,019	0.01					6,850	0.009	781,000
1996	16,593	0.02					7,936	0.010	823,300
1997	14,924	0.01	2891	0.003	7,435	0.007	3,874	0.004	1,096,520
1998	19,891	0.02	1652	0.001	9,977	0.008	6,225	0.005	1,239,850
1999	17666	0.01	4,619	0.003	6,377	0.004	4,448	0.003	1,552,230

What Shipped When Report

Dates Range from 6/1/07 to 7/1/07

Manifest #	*Line*	*Ship date*	*Profile Number*	*#Ctn*	*Total Qty Shipped*		*First Transporter*	*Designed Facility*
2967042	1	6/1/2007	170717-05	1	233	lbs	Burlington Environmetal, Inc.	Burlington Environmental, INC.
			Waste chromic acid					
			Waste corrosive liquid, acidic, inorganic, nos (hydrofluoric acid, nitric acid) 8, UN3264, PG II RQ (D007) ERG 154					
Manifest #	*Line*	*Ship date*	*Profile Number*	*#Ctn*	*Total Qty Shipped*		*First Transporter*	*Designed Facility*
1066439	1	6/4/2007	07615	1	14,840	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.
			Filter Cake Press					
			Filter Cake Press					
Manifest #	*Line*	*Ship date*	*Profile Number*	*#Ctn*	*Total Qty Shipped*		*First Transporter*	*Designed Facility*
33985	1	6/11/2007	ECOLIGHTS	1	50	lbs	ECOLIGHTS Northwest	ECOLIGHTS Northwest
			Fluorescent Tubes					
	1	6/11/2007	ECOLIGHTS	1	30	lbs	ECOLIGHTS Northwest	ECOLIGHTS Northwest
			Fluorescent Tubes					
	2	6/11/2007	ECOLIGHTS	2	200	lbs	ECOLIGHTS Northwest	ECOLIGHTS Northwest
			Fluorescent Tubes					
Manifest #	*Line*	*Ship date*	*Profile Number*	*#Ctn*	*Total Qty Shipped*		*First Transporter*	*Designed Facility*
1069091	1	6/14/2007	07623	1	17,760	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.
			Storm drain/north sump/silicon solids sludge					
			Storm drain/north sump/silicon solids sludge					

What Shipped When Report

Dates Range from 6/1/07 to 7/1/07

Manifest #	*Line*	*Ship date*	*Profile Number*	*#Ctn*	*Total Qty Shipped*		*First Transporter*	*Designed Facility*
1069737	1	6/18/2007	07615 Filter Cake Press Filter Cake Press	1	13,900	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.
1168161	1	6/21/2007	Used Oil Used Oil NON-RCRA Hazardous Waste, Liquids (Oil)	1	60	gal	Thermal Fluids	Thermal Fluids
	2	6/21/2007	Spent Oil Filters Spent oil filters Spent Oil Filters	1	55	gal	Thermal Fluids	Thermal Fluids
	3	6/21/2007	4500132223 Solvent from parts washers Combustible liquid, NOS (Mineral Spirits), NA1993, PG III ERG#128	1	30	gal	Thermal Fluids	Thermal Fluids
1168162	3	6/21/2007	4500132223 Solvent from parts washers Combustible liquid, NOS (Mineral Spirits), NA1993, PG III ERG#128	1	15	gal	Thermal Fluids	Thermal Fluids
1071672	1	6/25/2007	07615 Filter Cake Press Filter Cake Press	1	13,220	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.

What Shipped When Report

Dates Range from 6/1/07 to 7/1/07

Manifest #	*Line*	*Ship date*	*Profile Number*	*#Ctn*	*Total Qty Shipped*	*First Transporter*	*Designed Facility*
1169376	2	6/26/2007	Used Oil	1	246 gal	Thermal Fluids	Thermal Fluids
			Used Oil				
			NON-RCRA Hazardous Waste, Liquids (Oil)				

Profile Number 6843

Name Filter Press Cake

DOT Name non-regulated per DOT (filter press cake)

Description

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
n					

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
1/1/807	1033854	a	6843	1	21980	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/2/2007	1032678	a	6843	1	15340	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/2/2007	1032854	a	6843	1	20580	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/3/2007	1033034	a	6843	1	13020	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/15/2007	1035288	a	6843	1	15340	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/22/2007	1036245	a	6843	1	15540	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
2/6/2007	1033-9396	a	6843	1	14820	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
2/12/2007	1040428	a	6843	1	11400	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
2/19/2007	1041751	a	6843	1	19300	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
2/26/2007	1043145	a	6843	1	15220	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
3/5/2007	1044492	a	6843	1	15380	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
3/14/2007	1046611	a	6843	1	15100	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	

3/19/2007	104739	a	6843	1	14720	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.
							METRO	n/a
3/26/2007	1049295	a	6843	1	15320	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.
							METRO	n/a
4/3/2007	1051436	a	6843	1	15520	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.
							METRO	n/a

Total shipped **238,580.0 lbs**

Total tons shipped **119.29**

March: 60,520 lbs
30.26 tons

Profile Number

323130

Name Spent Lead-Acid Batteries

DOT Name Batteries, Wet, Filled with Acid (Universal Lead Acid Batteries) 8 UN2794 III

Description Spent Lead-Acid Batteries

EPA Waste Code

Universal Waste

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
N	N	W309	G16	1	1

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
3/8/2007	1313441	4	323130	6	500	lbs	Romic Environmental Tech CAD009452657	Romic Environemntal Tech. CAD009452657	H010

Total shipped **500.0 lbs**

Total tons shipped n/a

0.25 tons

Profile Number			*EPA Waste Code*
323134	**Name**	Spent Alkaline Batteries	Universal Waste
	DOT Name	Batteries, Dry, containing Potassium Hydroxide Solid (Universal Waste) 8 UN3028 III	
	Description	Spent Alkaline Batteries	

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
N	N	W309	G16	1	1

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
3/8/2007	1313441	5	323134	2	200	lbs	Romic Environmental Tech CAD009452657	Romic Environemntal Tech. CAD009452657	H010

Total shipped **200.0 lbs**

Total tons shipped n/a

0.1 ton

Profile Number

325054

Name Waste contaminated rags & debris, Waste Wax

DOT Name Waste Flammable Liquids, N.O.S. 3 UN1993, II (Isopropyl Alcohol, Toluene)

Description Waste contaminated rags & debris, Waste Wax

EPA Waste Code

D001

F005

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
Y	N	W409	G06	1	0.9

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
1/5/2007	1313357	1	325054	3	300	lbs	Romic Environmental Tech CAD009452657	Romic Environemntal Tech. CAD009452657	H040
3/8/2007	1313441	1	325054	7	210	gal	Romic Environmental Tech CAD009452657	Romic Environemntal Tech. CAD009452657	H040

Total shipped **1,877.2 lbs**

Total tons shipped n/a

1577 lbs

0.79 tons

Profile Number

Spent Oil Filters

Name Spent oil filters

DOT Name Spent Oil Filters

Description Used Oil filters

EPA Waste Code

n/a

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
N	N	W001	G15	1	0.5

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
3/15/2007	1066858	7	Spent Oil Filters	2	110	gal	Thermal Fluids ORQ000001974	Thermal Fluids ORQ000001974	

Total shipped **459.0 lbs**

Total tons shipped n/a

0.23 ton

Profile Number	**Name**		*EPA Waste Code*
Used Oil	**DOT Name**	NON-RCRA Hazardous Waste, Liquids (Oil)	NON-RCRA Waste
	Description		

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
N	N			1	0.9

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
3/15/2007	1066858	1	Used Oil	3	165	gal	Thermal Fluids ORQ000001974	Thermal Fluids ORQ000001974	H077

Total shipped **1,239.2 lbs**

Total tons shipped n/a

0.62 tons

Profile Number 6843

Name Filter Press Cake

DOT Name non-regulated per DOT (filter press cake)

Description

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
n					

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
1/1/807	1033854	a	6843	1	21980	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/2/2007	1032678	a	6843	1	15340	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/2/2007	1032854	a	6843	1	20580	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/3/2007	1033034	a	6843	1	13020	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/15/2007	1035288	a	6843	1	15340	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/22/2007	1036245	a	6843	1	15540	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
2/6/2007	1033-9396	a	6843	1	14820	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
2/12/2007	1040428	a	6843	1	11400	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
2/19/2007	1041751	a	6843	1	19300	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	

Feb = 22.76 tons

Total shipped **147,320.0 lbs**

Total tons shipped **73.66**

Profile Number		
6950	***Name***	North Sump Sludge
	DOT Name	non-regulated per DOT (north sump sludge)
	Description	North Sump Sludge

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
n					

ran out Galvanize building inventory stock piling → decanter maint.

Profile Number		*EPA Waste Code*
325054	***Name*** Waste contaminated rags & debris, Waste Wax	D001
	DOT Name Waste Flammable Liquids, N.O.S. 3 UN1993, II (Isopropyl Alcohol, Toluene)	F005
	Description Waste contaminated rags & debris, Waste Wax	

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
Y	N	W409	G06	1	0.9

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
1/5/2007	1313357	1	325054	3	300	lbs	Romic Environmental Tech CAD009452657	Romic Environemntal Tech. CAD009452657	H040

Total shipped **300.0 lbs**

Total tons shipped n/a

Profile Number 6843

Name Filter Press Cake

DOT Name non-regulated per DOT (filter press cake)

Description

Hazwaste	*Mix waste*	*Form Code*	*Generation Code*	*Origin ID*	*Sp Gr*
n					

Ship date	*Manifest ID*	*Mft line*	*Profile Number*	*#Ctn*	*Qty*	*Shipped as*	*First Transporter*	*Designated Facility*	*Management Code*
1/1/807	1033854	a	6843	1	21980	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/2/2007	1032678	a	6843	1	15340	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/2/2007	1032854	a	6843	1	20580	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/3/2007	1033034	a	6843	1	13020	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/15/2007	1035288	a	6843	1	15340	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	
1/22/2007	1036245	a	6843	1	15540	lbs	Metro Rooter & Plumbing Services	Hillsboro Landfill, Inc.	
							METRO	n/a	

Total shipped **101,800.0 lbs**

Total tons shipped **50.90**

ALBINA FUEL

PHONES: (503) 281-1161
(800) 888-5048
FAX (503) 280-9612

RECEIVED
MAR 3 0 1996
WACKER SILTRONIC
Environmental Health & Safety

3246 N.E. BROADWAY • PORTLAND, OREGON 97232

Wacker Siltronic Corporation
7200 N. W. Front Ave.
Portland, Or. 97203
Att: Vince

Dear Vince:

On All future orders of #2 Low sulfur diesel fuel, Albina Fuel will deliver to your N. W. Front location "Low Sulfur On Road Diesel Fuel". The sulfur content will be .05 WT. % or less per A S T M test D 4294.

I have included Data Sheets from the various suppliers we use showing the sulfur content of low sulfur Diesel fuel #2.

Please let me know if we can assist you in any further matters.

Sincerely;

G. N. Ayers
Albina Fuel Co.

SCOEPA00051473

TEXACO REFINING AND MARKETING INC.
PUGET SOUND PLANT
P.O. BOX 622
ANACORTES, WA 98221
206-293-0800

CERTIFICATE OF QUALITY

PRODUCT GRADE : 00429
BLEND NO./DATE: 94/931 01/03/95 11:19
PRODUCT NAME: L.S.D. 2
TANK NUMBER: 49

TEST NAME AND METHOD	RESULT	TEST NAME AND METHOD	RESULT
APPEARANCE ASTM D4176	C & B	CETANE, CALCULATED ASTM D976	41.2
BS&W% ASTM D1796	0.000	PARAFFIN BY FIA, ASTM D1319	
GRAVITY, API D1298	32.4	OLEFIN BY FIA, ASTM D1319	
OBSERVED API TEMPERATURE	71	AROMATICS BY FIA, ASTM D1319	
GRAVITY, API 60 F, ASTM D287	31.6		
AUTO CALCULATION OF API TO 60	**********		
FLASH POINT, PENSKY-MARTENS D9	160		
VISCOSITY, CST@40 ASTM D445	2.66		
ASTM COLOR D1500	1.5		
CLOUD POINT ASTM D2500	11		
POUR POINT ASTM D97	-10		
CARBON RESIDUE, 10%BTMS ASTM D189	.001		
SULFUR WT%, ASTM D4294	.033		
COPPER STRIP CORROSION AT 122, ASTM D130	1A		
DISTILLATION IBP DEG F., ASTM D86	343		
DISTILLATION 10% RECOVERED DEG	401		
DISTILLATION 20% RECOVERED DEG	434		
DISTILLATION 50% RECOVERED DEG	507		
DISTILLATION 90% RECOVERED DEG	603		
DISTILLATION 95% RECOVERED, DE	625		
DISTILLATION END POINT DEG F., ASTM D86	657		
DISTILLATION % RECOVERED, ASTM D86	98.5		
WATER SEPARATION ASTM D3602	CLEAR		
ASH CONTENT OF OIL ASTM D482	.002		
VISUAL HAZE RATING ASTM D4176	1		

Note: T-08-9337-TX

This product does not meet the requirements for reformulated gasoline, and may not be used in any reformulated gasoline covered area.

ISSUED BY: _____ DATE ISSUED: _____
(FOXJW)

EXHIBIT 1
ATLANTIC RICHFIELD SPECIFICATION

APC — LOW SULFUR (EPA) DIESEL No. 2

BRAND NAMES AND PRODUCT CODES		
	ARCO	10668
	Unbranded	10667

THIS PRODUCT MAY BE SOLD FOR VEHICULAR AND NON-VEHICULAR USE IN STATES OTHER THAN CALIFORNIA. IT MAY NOT BE SOLD FOR ANY VEHICULAR USE IN CALIFORNIA.

Consult the following section of the On-line Product Specifications Book for further information on approved additives:

Diesel No. 2, Approved Additives (Ref DSLADD)

Appearance (ARCO 8039)		Bright
Ash, W % (D482), Max.		0.01
Carbon Residue, Rams., 10 V % Bottoms, W % (D524), Max.	(1)	0.35
Cetane Index (D976), Min., OR		40
Aromatics, V% (D1319), Max.		35
Cloud, °F (°C) (D2500), Max.	(5)	14(-10), 24(-4)
Color, ASTM (D1500), Max.	(2)	2.5
Color, Visible	(7)	Undyed
Conductivity, pS/m (D2624), 75°F, Min	(3)	50
Copper Corrosion, 3 hrs. @ 212°F(100°C) (D130), Max.		1
Distillation, Recovered, °F (°C) (D86)		
50%, Max.		Record
90%, Min.		540 (282)
90%, Max.		640 (338)
End Point, Max.		698 (370)
Flash, PM, °F (°C) (D93), Min.	(5)	150(66), 125(52)
Gravity, API (D287)		30.0 - 42.0
Particulates, mg/l (D2276), Max.		10
Pour, °F (°C) (D97), Max.	(5)	0(-18), 15(-9), Report
Rust, 3.5 hr. @ 100°F (ARCO 8003), Min.	(4)	B++ Rating
Stability, mg/100 ml (D2274), Max.		1.0
Sulfur, W % (D2622, D4294), Max.	(6)	0.05
Viscosity, Kinematic, cSt (D445), 104°F (40°C)		1.9-4.1
Water and Sediment, V % (D1796), Max.		0.05

POINTS OF MANUFACTURE: LAR, CP

See Footnotes on next page.

SCOEPA00051475

Manufacturer's MSDS Report:

TOSCO MSDS Number: 1354
01 ---- Section 01 Chemical Product and Company Identification ----

MSDS 1354

TOSCO NORTHWEST COMPANY MATERIAL SAFETY DATA SHEET

24-Hour Emergency Assistance: TOSCO: (360) 384-1011
CHEMTREC: (800) 424-9300
General Assistance: (360) 384-8400

Tosco Northwest Company, P.O. Box 8, Ferndale, WA 98248-0008

Product Name:	NO. 2 DIESEL and LOW SULFUR NO. 2 DIESEL
MSDS number:	1354
CAS Number:	68334-30-5
Synonyms:	No. 2 Diesel Fuel, Fuel Oil, Middle Distillace
Chemical Family:	Petroleum Hydrocarbons
Molecular Formula:	C10-C20 Hydrocarbons
Molecular Weight:	NA

Revision Date: May 9,1995 Replaces Sheet Dated: August 30,1994
Completed By: Tosco Northwest Company Industrial Hygiene Section

02 ---- Section 02 Composition, Information on Ingredients ----

COMPONENTS	CAS NO.	%	EXPOSURE LIMITS
Diesel fuel No. 2	68476-34-6	99.8-100	none established
Remaining components not determined hazardous and/or hazardous components present at less than 1.0% (0.1% for carcinogens).		0-0.2	NA

Diesel fuel No. 2 contains no more than 0.5 % sulfur
Low-sulfur diesel fuel No. 2 contains no more than 0.047 % sulfur.

03 ---- Section 03 Hazards Identification ----

NFPA FIRE HAZARD RATING*

4-EXTREME	HEALTH	0
3-HIGH	FLAMMABILITY	2
2-MODERATE	REACTIVITY	0
1-SLIGHT	SPECIAL HAZARD	
0-INSIGNIFICANT		

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Veolia ES Technical Solutions L.L.C.

WASTESTREAM INFORMATION PROFILE

Disposal Code

|__| Recertification

__ Veolia ES Location VANCOUVER, WASHINGTON VANCOUVER WA |003 | 505 |
|__| Invoice Address OFFICE CITY ST

Veolia ES TSDF requested ____ Technology requested _____ Generator No. 426838 Generator EPA ID No. ORD096253737

1. Generator Name SILTRONIC CORPORATION Generator State No. _____
Address 7200 NW FRONT AVE MAILBOX 30 State Wastestream No. _____
City PORTLAND State OR Country US ZIP 97210 3676
NAICS(SIC) Code 3674 _____ _____ _____ Source G13 Origin 1 Form W409 System Type _____

---

2. Waste Name IPA DEBRIS Lab or Waste Area _____
3. Process Generating Waste
PROCESS CLEANING
4. Shipping Name SOLIDS CONTAINING FLAMMABLE LIQUID, n.o.s.
Hazard Class 4.1 UN/NA No. UN3175 PG II RQ amt 0 lb Waste: N PIH: N IH: N DWW: N P: N
RQ Des: 1. _____ 2. _____
DOT Des: 1. ISOPROPYL ALCOHOL 2. _____
5. Waste Codes NONE _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____ _____
Wastewater _____ Non Wastewater X Sub Category _____ Mix: N Sol: N

---

6. Physical and chemical properties:

pH	Specific Gravity	Flash Point(F)	Solids	
a ___ < 2	a ___ <.8	a ___ < 80	0 - 0% suspended	0 - 0 % ash
b ___ 2 - 5	b ___ .8 - 1.0	b X 80 - 100	0 - 0% settleable	0 - 0 % water solubili
c X 5 - 9	c X 1.0	c ___ 100 - 140	0 - 0% dissolved	0 - 0 BTU/lb
d ___ 9 - 12.5	d ___ 1.0 - 1.2	d ___ 140 - 200		
e ___ > 12.5	e ___ > 1.2	e ___ > 200	Free Liquid	0 - 0 %
____ - ____ exact	____ - ____ exact	f ___ no flash ____ - ____ exact	VOC	0 - 0 %

Physical State	Hazardous Characteristics		Odor
s X solid	a ___ air reactive	r ___ radioactive or NRC regulated	a none ____
m ___ semi-solid	w ___ water reactive	s ___ shock sensitive	b mild X
l ___ liquid	c ___ cyanide reactive	t ___ temp sensitive	c strong ____
p ___ pumpable semi-solid	f ___ sulfide reactive	m ___ polymerization/monomer	describe ALCOHOL
f ___ flowable powder	e ___ explosive	n ___ OSHA carcinogen	
g ___ gas	o ___ oxidizing acid	i ___ infectious	Halogens
a ___ aerosol	p ___ peroxide former	h ___ inhalation hazard	Br 0 - 0 % Bromine
r ___ pressurized liquid		Zone: _	Cl 0 - 0 % Chlorine
d ___ debris per 40 CFR 268.45			F 0 - 0 % Fluorine
h ___ sharps			I 0 - 0 % Iodine
q ___ pumpable liquid			

Layers: | a ___ multilayered: b ___ bi-layered: c X single phase |

	Top Layer	Second Layer	Bottom Layer	Color
Viscosity by Layer:	___ high(syrup)	___ high(syrup)	___ high(syrup)	VAR
	___ medium(oil)	___ medium(oil)	___ medium(oil)	___
	___ low(water)	___ low(water)	___ low(water)	_____
	X solid	___ solid	___ solid	

WIP NO. 17897

SCOEPA00051477

Veolia ES Technical Solutions L.L.C.

WASTESTREAM INFORMATION PROFILE

Used oil y/n N HOC < 1000 ppm ___ HOC > 1000 ppm ___

Chemical Composition [M=Marine Pollutant, S=Severe Marine Pollutant, O=Ozone Depleting Substance, U=Underlying Hazardous Constituent, B=Benzene NESHAP, T=TRI Chemical, C=OSHA Carcinogen]

	Constituents	Ranges		Units
T,	ISOPROPYL ALCOHOL		1.00	%
	RAGS	99.00	100.00	%

Other:

8. Is the wastestream being imported into the USA? Yes __ No X
9. Does the wastestream contain PCBs regulated by 40CFR? Yes __ No X
   PCB Concentration .00 ppm
10. Is the wastestream subject to the Marine Pollutant Regulations? Yes __ No X
11. Is the wastestream from an industry regulated under Benzene NESHAP? Yes __ No X
    If yes:
    Is the wastestream subject to Notification/Control Requirements? Yes __ No X
    Benzene Concentration .00 ppm
    Does it contain >= 10% water? Yes __ No X
    What is the TAB at your facility? .00 Mg/Yr
12. Is the wastestream subject to RCRA subpart CC controls? Yes __ No X
    Volatile Organic Concentration .00 ppmw
    CC Approved Analytical Method? Yes __ No X
    Generator Knowledge? Yes __ No X
13. Is the wastestream from a CERCLA or state mandated cleanup? Yes __ No X

14. Container Information :

Packaging: 051H2 Type/Size: DF 5 GAL OPEN HEAD PLASTIC DRUM
551H2 Type/Size: DF 55 GAL OPEN HEAD PLASTIC DRUM

Shipping Frequency: Units 1.00 Per Day _ Per Week _ Per Month _ Per Qtr X Per Year _ One Time _
UOM DRUMS DESCRIPTION: _____

15. Additional Information :

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents contains true and accurate descriptions of this waste. Any sample submitted is representative as defined in 40 CFR 261 - Appendix I or by using an equivalent method. All relevant information regarding known or suspected hazards in the possession of the generator has been disclosed. I authorize sampling of any waste shipment for purposes of recertification.

Name(Print or Type) Phone Date

Signature on File
Signature Title

If approved for management, Veolia ES has all the necessary permits and licenses for the waste that has been characterized and identified by this profile.

WIP NO. 17897

SCOEPA00051478

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: December 02, 2005

Facility ID Number: 005268

2005
OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

SECTION A **HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- [X] YES [ ] NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- [X] YES [ ] NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period?
- [X] YES [ ] NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- [X] YES [ ] NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

SECTION B **DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. NAICS CODE 1: 334413 DEFINITION: SEMICONDUCTOR & RELATED DEVICE MFG
2. NAICS CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: MFG OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. OWNER/CEO/REG AGENT: NEIL NELSON
6. SEND TO ATTENTION OF: BRIAN BAILEY
7. E-MAIL ADDRESS: BRIAN.BAILEY@SILTRONIC.COM
8. BUSINESS NAME: SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: ~~1600~~ 1700
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: BRIAN BAILEY
15. EMERGENCY CONTACT PHONES: DAY: 503-219-7801 NIGHT: 503-799-6064
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND BUREAU OF F&R & EMS

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. [X] YES [ ] NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Security Console, H+S office
18. [X] YES [ ] NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. [ ] YES [X] NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. [X] YES [ ] NO ARE OTHER TYPES OF PLACARDS USED?

BRIAN BAILEY
SILTRONIC CORP

7200 NW FRONT AVE
PORTLAND, OR 97210

SECTION C **PERSON COMPLETING FORM**

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: Brian Bailey
2. SIGNATURE: Brian Bailey
3. Date: 11-23-05 Phone: 503-219-7801 Ext:

For office use only: R F DE I C

1452

SCOEPA00051479

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABC DRY CHEMICAL**

Hazardous Ingredient: **MONOAMMONIUM PHOSPHATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	00	00	365	R 2 4	6.3	1044	CAS No. if known: 7722761

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	20
☐	O	VARIOUS		NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE SOLUTION**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	31	00	365	C 1 4	9.0		CAS No. if known: 1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LAPPING PREP	A136	W	04
☐	I	FAB 1	1	LAPPING	C105	W	04
☒	I	FAB 2		NA	NA	V	03
☐	I	FAB 2	1	~~LAPPING~~ LAPPING PREP	6D108	C	20
☐							
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	21	00	365	E 1 4 / K 1 4	6.4		CAS No. if known: 1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20

1453

SCOEPA00051480

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Delete ☐

Delete ☐

Common Name or Trade Name: **ABRASIVE POWDER**

Hazardous Ingredient: **SILICON CARBIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	E 1 4 / K 1 4	9.0		CAS No. if known: 409212

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLICING	C111	C	20
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	SLURRY PREP	6D115	C	11
☐							
☐							

Common Name or Trade Name: **ACETIC ACID 35%**

Hazardous Ingredient: **ACETIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	N 1 4 / E 1 4	8.0	2789	CAS No. if known: 64197

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	BULK ACID STRG	NA	NW	10
☐	I	FAB 2	1	SUBFAB MFG	6D103	C	04
☐							
☐							

Common Name or Trade Name: **ACETYLENE**

Hazardous Ingredient: **ACETYLENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	11	11	11	00	365	L 2 4	2.1 / 6.3	1001	CAS No. if known: 74862

SCOEPA00051481

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ACETYLENE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MAINT SHOP	D121LT	S	10
☐	I	FAB 1	1	WELDING SHOP	H121	S	10
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ALUMINUM CHLOROHYDRATE 50%**

Hazardous Ingredient: **POLY ALUMINUM CHLORIDE, HYDRATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	30	00	365	C 1 4	9.0	3264	CAS No. if known: 1327419

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	W	20
☐							
☐							

Common Name or Trade Name: **AMBERJET UP4000**

Hazardous Ingredient: **QUAT AMINE DIVINYL BENZENE/STYRENE COPOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	11	11	00	365	C 1 4	6.3		CAS No. if known: 9017792

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	VARIOUS	NA	E	04
☐							
☐							

1455

SCOEPA00051482

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AMMONIUM HYDROXIDE 30%**

Hazardous Ingredient: **AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	30	00	365	N 1 4 / E 1 4	8.0 / 6.3	2672	CAS No. if known: 1336216

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	NA	NA	V	03
☐	I	HAZMAT	1	NA	NA	SW	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **ANTIFOAM SAG ~~705, 710~~** 700

Hazardous Ingredient: **POLYDIMETHYL SILOXANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	21	00	365	O 1 4 / E 1 4	9.0		CAS No. if known: 63148629

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	S	04
☐	I	FAB 1	1	WHSE	I 103	SE	10
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	WWTP	1	NA	NA	W	10
☐							
☐							

Common Name or Trade Name: **ANTIFREEZE**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	D 1 4	6.3	3082	CAS No. if known: 107211

1456

SCOEPA00051483

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ANTIFREEZE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	L117	N	04
☐							
☐							

Common Name or Trade Name: **ARGON 80%/HELIUM 20%**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.2	1006	CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ARGON LIQUID**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	30	30	31	00	365	A 2 7	2.2 6.3	1951	CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX		NA	NA	W	30
☐							
☐							

SCOEPA00051484

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARGON**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	20	365	L 2 4	2.2	1006	CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1 TCS	1	TCS BUNKER	NA	E	20
☐	I	VARIOUS		NA	NA	V	11
☐							
☐							

Common Name or Trade Name: **ARSINE 10 PPM IN HYDROGEN**

Hazardous Ingredient: **ARSINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	10	02	365	L 2 4	2.3 2.1	2188	CAS No. if known: 7784421

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPENT STRG	1	FAB 1 S YARD	NA	S	10
☐	I	FAB 1	2	HPM ROOM	K206	S	10
☐	I	FAB 1	2	HPM ROOM	K213	S	10
☐	I	FAB 1	2	HPM ROOMS	K203	S	10
☐							
☐							

Common Name or Trade Name: **AUTOMAT SOLUTION**

Hazardous Ingredient: **TETRAMETHYL AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	C 1 4	8.0	1835	CAS No. if known: 75592

1458

SCOEPA00051485

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AUTOMAT SOLUTION**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CBS ROOM	E144	NE	11
☐	I	FAB 2		Process Support	6D118	C	11
☐							

Common Name or Trade Name: **CARBON DIOXIDE**

Hazardous Ingredient: **CARBON DIOXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	20	20	02	365	L 2 4	2.2	1013	CAS No. if known: 124389
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **CHROMIC ACID SOLUTION**

Hazardous Ingredient: **CHROMIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	N 1 4	8.0	1755	CAS No. if known: 11115745
							C 1 4			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROMIC DELIVRY	A 131	W	04
☐							
☐							

Common Name or Trade Name: **CIMTECH 95**

Hazardous Ingredient: **ETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	D 1 4	8.0	1760	CAS No. if known: 141435

1459

SCOEPA00051486

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **CIMTECH 95**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐							
☐							

Common Name or Trade Name: **CITRIC ACID**

Hazardous Ingredient: **CITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	30	00	365	N 1 4 / J 1 4	6.3	1759	CAS No. if known: 77929

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	FINEGRIT LAPPNG	C 105	W	11
☐	I	FAB 1	1	WHSE	I102	W	20
☐							
☐							

Common Name or Trade Name: **CRL 80**

Hazardous Ingredient: **CYCLOHEXYLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	10	00	365	C 1 4 / E 1 4	6.3 / 4.5		CAS No. if known: 108918

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	~~10~~ 04
☐							
☐							

1460

SCOEPA00051487

Chemical Form

Form base

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ~~DETERGENT Q-9~~ Ferasil [Ferasil]

Hazardous Ingredient: ~~POTASSIUM HYDROXIDE~~ [Anionic Tensides, Alkaline water, Polymers + organic Acids]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	20	30	00	365	E 1 4 / C 1 4	8.0	1814	1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	FINEGRIT LAPPIN	C105A	W	04
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	~~10~~ 04
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BASES ROOM	6C106	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							

Common Name or Trade Name: **DEVEL A**

Hazardous Ingredient: **ORTHO SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	11	20	00	365	N 1 4	9.0		1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	02
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	2	NA	NA	V	02
☐							
☐							

Common Name or Trade Name: **DIBORANE 25-1000 PPM IN HYDROGEN**

Hazardous Ingredient: **DIBORANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	21	30	30	11	365	L 2 4	2.1	1911	19287457

1461

SCOEPA00051488

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: DIBORANE 25-1000 PPM IN HYDROGEN

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG FUL	1	DOPANT STRG FUL	NA	C	20
☐	I	FAB 1	2	2ND FLR EPI	NA	S	20
☐	I	FAB 2	1	EPI GASES	6C102	E	20
☐							
☐							

Common Name or Trade Name: **DIESEL**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	20	00	365	C 1 4	3.3	1202	CAS No. if known: 68476346
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	GENERATOR ROOM	A107	S	11
☐	I	CUB	1	GENERATOR ROOM	NA	NW	~~11~~ 20
☐							
☐							

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	31	00	365	D 1 4	9.0		CAS No. if known: 25265718
							R 1 4			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	NW	04
☐	I	FAB 1	1	PLATE PREP	C120/121	N	04
☐	I	FAB 1	1	SLICING	C111	N	11
☐	I	FAB 1	1	WHSE	I103	SE	~~11~~ 20
☐	I	FAB 2	1	MWS SLURRY	6D115	NW	04

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Delete							
☐							
☐							

Common Name or Trade Name: **DOWFROST GLYCOL**

Hazardous Ingredient: **PROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	04	00	365	R 1 4 / D 1 4	9.0		CAS No. if known: 57556

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	04
☐	I	FAB 2	2	CHILLING LOOP	NA	V	10
☐	1	CFB	1	CHILLERS	A104	E	04
☐							

Common Name or Trade Name: **ERKAMAR 3260**

Hazardous Ingredient: **MALEIC MODIFIED ROSIN ESTER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	11	20	00	365	K 1 4	9.0		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐							
☐							

Common Name or Trade Name: **ETCHING SOLUTIONS**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	04	00	365	R 1 4	8.0 / 6.3		CAS No. if known: 7697372

1463

SCOEPA00051490

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ETCHING SOLUTIONS

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	04
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	BATCH CLEAN	B122	W	04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: ~~ETHYLENE GLYCOL~~ [Dow Therm 4002]

Hazardous Ingredient: ETHYLENE GLYCOL

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	11	00	365	D 1 4 / R 1 4	6.4	3082	CAS No. if known: 107211

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHILLING LOOP	NA	V	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: FERASIL

Hazardous Ingredient: ORGANIC ACIDS

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	20	20	00	365	E 1 4 / R 1 4	8.0 / 6.3		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

1464

SCOEPA00051491

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **GRO PRO**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4 / R 1 4	9.0	1813	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A104	W	11
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **HELIUM**

Hazardous Ingredient: **HELIUM**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.2	1046	CAS No. if known: 7440597

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **HYDROCHLORIC ACID 31-37%**

Hazardous Ingredient: **HYDROCHLORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	21	00	365	E 1 4 / C 1 4	8.0 / 6.3	1789	CAS No. if known: 7647010

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	NE	10
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	FAB 1	1	CHEM DELIVERY	E142	NE	04

SCOEPA00051492

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROCHLORIC ACID 31-37%**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM STRG	K132	SE	04
☐	I	FAB 1	1	RODI ROOM	F101	S	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB 2	2	CELL 8	6D232	NE	04
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	O	CFB		ACID TANK	NA	NE	21
☐							
☐							

Common Name or Trade Name: **HYDROFLUORIC ACID 48%-50%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☒ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	30	00	365	E 1 4 / A 1 4	8.0 / 6.1	1790	CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1		BULK CHEM DELIV	K132	SE	04
☐	I	FAB 1	1	BULK CHEM DELIV	E142	N	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	I	FAB 1	1	Quartz cleaning	K121	SE	04
☐							

Common Name or Trade Name: **HYDROFLUORIC ACID 60%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☒ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	30	00	365	C 1 4 / A 1 4	8.0 / 6.1	1790	CAS No. if known: 7664393

1466

SCOEPA00051493

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: HYDROFLUORIC ACID 60%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	CELL 4	6B110	W	03
☐	O	FAB 2 BULK CHEM		HF/NNO3 PAD	NA	S	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN CHLORIDE**

Hazardous Ingredient: **HYDROGEN CHLORIDE**

☐ No Longer Reportable
☒ 112R
☒ EHS
☐ PSM
1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	21	40	50	41	365	L 2 4	2.2 8.0	1050		7647010

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	SE	20
☐	I	FAB 1	2	HPM ROOMS	K206	SE	20
☐	I	FAB 2	1	EPI GASES	C6102	NW	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN LIQUID**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☒ 112R
☐ EHS
☒ PSM
1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	2	30	30	43	00	365	A 2 7	2.1 6.3	1966		1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		HYDROGEN PAD	NA	C	30
☐							
☐							

1467

SCOEPA00051494

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN PEROXIDE 30%**

Hazardous Ingredient: **HYDROGEN PEROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	30	30	00	365	E 1 4	8.0	2014	5749-7	7722841

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	CHEM DELIVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELIVERY	K130	SE	04
☐	I	FAB 2	1	CHEM DELIVERY	6C109	NE	04
☐	I	FAB1 BULK STRG	1	TMAH STRG	BAY 6	SW	20
☐	I	HAZMAT	1	PEROXIDE SIDE	NA	W	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	W	04
☐							
☐							

Common Name or Trade Name: **HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	21	30	30	00	365	K 2 4	2.1	1049		1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STORAGE	1	S OF FAB 1	NA	C	21
☐	I	FAB 1 BULK CHEM		CYLINDER STORAG	BAY 5	SE	11
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐							

SCOEPA00051495

Chemical Form

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN**

Delete ☐

Common Name or Trade Name: **INERGEN**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	30	30	00	00	365	L 2 4	2.2		CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	ADMIN	1	COMPUTER ROOM	NA	C	21
☐	I	FAB 1	1	COMPUTER ROOM	D119	C	20
☐	I	FAB 2	1	COMPUTER ROOM	6A137	S	20
☐	I	FAB 2	1	COMPUTER ROOM	6D111	W	20
☐	I	FAB 2	1	COMPUTER ROOM	6D112	NE	20
☐							
☐							

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	00	00	365	N 1 4	3.2 6.3	1219	CAS No. if known: 67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	00
☐	I	FAB 2	1	NA	NA	V	00
☐	I	FAB 2	2	NA	NA	V	00
☐							
☐							

SCOEPA00051496

Chemical Form

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ISOPROPYL ALCOHOL**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	D 1 4 / N 1 4	3.2 / 6.3	1219	CAS No. if known: 67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	FLAMM STRG	BAY 3	E	10
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	04
☐	I	FAB 2	1	SOLVENT ROOM	6C105	NE	04
☐							
☐							

Common Name or Trade Name: **KEMILIME**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	20	11	00	365	J 1 4	8.0 / 6.3	1910	CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	V	20
☐							
☐							

Common Name or Trade Name: **LEAD ACID BATTERIES-WET**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	20	20	365	R 1 4	8.0 / 6.3	2800	CAS No. if known: 7664939

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	ELECTRICAL	A106	SW	20
☐	I	FAB 1	1	ELECTRICAL	A102	W	20
☐	I	FAB 1	1	ELECTRICAL	H115	SE	20

SCOEPA00051497

Chemical Form

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: LEAD ACID BATTERIES-WET

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ELECTRICAL	L116	NW	20
☐	I	FAB 2	1	BATTERY ROOM	6B109	NW	20
☐							
☐							

Common Name or Trade Name: **LIME SOLUTION**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	A 1 4 C 1 4	8.0 6.3		CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		DAY TANK	NA	E	21
☐							
☐							

Common Name or Trade Name: **LIME**

Hazardous Ingredient: **CALCIUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	50	00	365	C 1 4	6.3	1910	CAS No. if known: 1305788

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		LIME SILO	NA	NW	30
☐							
☐							

SCOEPA00051498

Chemical Form

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LUTENSOL AP 10**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	20	00	365	C 1 4 / E 1 4	6.3		CAS No. if known: 68412544

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	S	10
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **MAGNAFLOC 120L**

Hazardous Ingredient: **SODIUM ACRYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	E 1 4	6.3		CAS No. if known: 25085023

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	N	04
☐							
☐							

Common Name or Trade Name: **NCT-3**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	11	00	365	E 1 4 / R 1 4	8.0		CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	NA	NA	S	11
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	FAB 1	1	SLURRY PREP	F105	S	04
☐	I	CFB	1	CHILLERS	A101	N	04

SCOEPA00051499

Chemical Form

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NCT-3**

Delete ☐

Common Name or Trade Name: **NITRIC ACID 70%**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☒ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	40	00	365	D 1 4 / A 1 4	8.0 / 6.3	2031	CAS No. if known: 7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	BCD	K131	SW	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	21
☐	O	FAB2 BULK CHEM		HF/HNO3 PAD	NA	S	21
☐							
☐							

Common Name or Trade Name: **NITROGEN CRYOGENIC**

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	21	30	40	00	365	A 2 7 / S 2 7	2.2 / 6.3	1977	CAS No. if known: 7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		NITROGEN PAD	NA	C	30
☐							
☐							

Common Name or Trade Name: **NITROGEN TRIFLUORIDE**

Hazardous Ingredient: **NITROGEN TRIFLUORIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	10	10	00	365	L 2 4	2.2 / 5.1	2451	CAS No. if known: 7783542

1473

SCOEPA00051500

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: NITROGEN TRIFLUORIDE

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	EPI GASES	C6102	NW	10
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	10
☐							
☐							

Common Name or Trade Name: **NITROGEN**

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	31	31	40	00	365	L 2 4	2.2	1066		7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	S	20
☐	I	FAB 1	2	HPM ROOMS	K206	S	30
☐	I	FAB 1	2	HPM ROOMS	K213	S	20
☐	I	FAB 2	1	GASES RM	6C102	NW	20
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐							
☐							

Common Name or Trade Name: **NITROUS OXIDE**

Hazardous Ingredient: **NITROUS OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	30	30	21	00	365	L 2 4	5.1	1070		10024972

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	N2O PAD		N2O PAD	NA	N	30
☐							

1474

SCOEPA00051501

Chemical Form

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITROUS OXIDE**

Delete ☐

Common Name or Trade Name: **OIL SPILL CONTROL**

Hazardous Ingredient: **SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	10	00	00	365	E 1 4	6.4	9188	CAS No. if known: 1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	ERT SHED	1	NA	NA	C	10
☐							
☐							

Common Name or Trade Name: **OILS**

Hazardous Ingredient: **PETROLEUM HYDROCARBON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN . Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 34704-352
2	2	20	20	20	00	365	A 1 4	6.3	1270	CAS No. if known: 64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	CHILLERS	A104	W	04
☐	I	CUB	1	NA	NA	V	03
☐	I	CUB	1	NA	NA	W	04
☐	I	FAB 1	1	FAC MAINT SHOP	H123	SE	04
☐	I	FAB 1	1	FAC MAINT SHOP	H125	SE	04
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐	I	FAB 1	1	METALS FAB	H117	SE	04
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	10
☐	I	FAB 1	1	POLISH SERV LOT	E109	NW	10
☐	I	FAB 1	1	POLISH SERV LOT	E109A	NW	04
☐	I	FAB 1	1	WHSE	I103	SE	04

SCOEPA00051502

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OILS**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	BULK CHEM DELIV	C6105	NE	04
☐	I	FAB1 BULK CHEM	1	SOLVENT STRG	BAY 3	E	10
☐							
☐							

Common Name or Trade Name: **OXYGEN LIQUID**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	2	10	10	20	00	365	L 2 7	2.2	1073		7782447

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 1		O2 STATION	NA	W	10
☐	O	FAB 2		O2 STATION	NA	NW	10
☐							
☐							

Common Name or Trade Name: **OXYGEN**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	20	20	20	00	365	L 2 4	2.2	1072		7782447

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	METALS FAB	H117	SE	10
☐	I	FAB 1	1	WELDING	H121	SE	11
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	O	FAB 1		MAINT LEANTO	D121LT	NW	11
☐							
☐							

SCOEPA00051503

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PETROLEUM GREASES MISC.**

Hazardous Ingredient: **HEAVY NAPHTHENIC DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	11	20	00	365	E 1 4 / R 1 4	4.5 / 6.4		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		NA	NA	V	03
☐	I	FAB 1		NA	NA	V	03
☐	I	FAB 2		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **PHOSPHINE 5-999 PPM IN HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	21	30	11	365	L 2 4	2.3 / 2.1	2199	CAS No. if known 1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG	1	S OF FAB 1	NA	C	21
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K216	SE	11
☐	I	FAB 2	1	EPI GASES	6C102	NW	11
☐							
☐							

1477

SCOEPA00051504

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POLISHING SLURRY**

Hazardous Ingredient: ~~**AMORPHOUS SILICA**~~ [silicon dioxide

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	30	40	00	365	E 1 4 / J 1 4	6.3 / 6.4		7631869

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	POLISHING	E102	N	04
☐	I	FAB 1	1	POLISHINGRETURN	E101	N	04
☐	I	FAB 1	1	SLURRY PREP	F103	S	10
☐	I	FAB 1	1	WET BLAST	C132A	C	04
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	NA	NA	V	03
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	N	21
☐	I	FAB 2	2	POLISHING CHASE	6D239	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D241	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D245	C	04
☐							
☐							

Common Name or Trade Name: **POLYTREAT 3**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	11	00	365	N 1 4	6.3	1814	1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

1478

SCOEPA00051505

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM CARBONATE**

Hazardous Ingredient: **POTASSIUM CARBONATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	J 1 4	6.3		CAS No. if known: 584087

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	F103	S	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							
☐							

Common Name or Trade Name: **POTASSIUM DICHROMATE SOLUTION**

Hazardous Ingredient: **POTASSIUM DICHROMATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	N 1 4	8.0	3289	CAS No. if known: 7778509

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROME DELVRYRM	A131	W	04
☐							
☐							

Common Name or Trade Name: **POTASSIUM HYDROXIDE SOLN**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	00	00	365	C 1 4	8.0	1814	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	NW	04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

SCOEPA00051506

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM HYDROXIDE**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	41	00	365	J 1 4	6.3	1813	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	POSTLAP CAUSTIC	C132	W	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	ACID ETCH CHASE	6B110	W	04
☐							
☐							

Common Name or Trade Name: **PROPANE**

Hazardous Ingredient: **PROPANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	11	20	20	00	365	L 2 6	6.3	1075	CAS No. if known: 74986

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 1		OUTSIDE WHSE	NA	SE	11
☐							
☐							

Common Name or Trade Name: **REFRIGERANT 22**

Hazardous Ingredient: **CHLORODIFLUOROMETHANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	03	03	03	00	365	L 2 4	6.3	1018	CAS No. if known: 75456

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2		NA	NA	V	01
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	02
☐	I	HVAC SHED		S YARD	NA	S	02

1480

SCOEPA00051507

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **REFRIGERANT 22**

Delete							
☐							
☐							

Common Name or Trade Name: **ROQUEST 3000**

Hazardous Ingredient: **CATIONIC POLYMER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **RP TEAM**

Hazardous Ingredient: **DIETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	11	00	365	E 1 4	9.0		111422

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	C	10
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **SAND FILTERS**

Hazardous Ingredient: **CRYSTALLINE SILICA**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	20	20	365	R 1 4	9.0		14808607

SCOEPA00051508

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SAND FILTERS**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	CFB		MULTIMEDIA TNKS	NA	E	20
☐	O	WWTP		FAB 1 SIDE	NA	W	20
☐	O	WWTP		FAB 2 SIDE	NA	E	20
☐							
☐							

Common Name or Trade Name: **SILANE**

Hazardous Ingredient: **SILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.1	2203	
								4.4		CAS No. if known: 7803625

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SILANE BUNKER	NA	S	10
☐	I	FAB 2	1	SILANE BUNKER	NA	N	11
☐							
☐							

Common Name or Trade Name: **SILICON INGOTS**

Hazardous Ingredient: **SILICON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	30	00	365	R 1 4	9.0		CAS No. if known: 7440213

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

SCOEPA00051509

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SKYLIQUID WAX**

Hazardous Ingredient: **TOLUENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	20	00	365	N 1 4	3.2		CAS No. if known: 108883

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **SLUDGE**

Hazardous Ingredient: ~~**BIOSOLIDS**~~ Silicon CARBIDE

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	~~21~~ 30	00	42	365	A 1 4	9.0		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		HYDROCYCLONE	NA	SW	21
☐							
☐							

Common Name or Trade Name: **SODIUM CHLORITE 25%**

Hazardous Ingredient: **SODIUM CHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 9150-7-33003
2	2	20	20	20	00	365	A 1 4 C 1 4	5.1 6.3		CAS No. if known: 7758192

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX	1	STORAGE TANK	NA	W	20
☐							
☐							

SCOEPA00051510

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM HYDROXIDE 20-50%**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	31	00	365	A 1 4	6.3	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		UPW	A105	W	10
☐	I	FAB 1	1	BULK CHEM DELIV	E141	N	04
☐	I	FAB 1	1	CHEM STRG	K130	SE	10
☐	I	FAB 1	1	RODI	F101	S	10
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BULK CHEM DELIV	C6107	N	04
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	N	04
☐	O	CFB		BULK TANKS	NA	N	21
☐	O	FAB 2		EMERGNCYSCRUBBR	NA	S	11
☐	O	NOX		TANK STRG	NA	W	21
☐							
☐							

Common Name or Trade Name: **SODIUM HYPOCHLORITE SOLN**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	R 1 4	8.0	1791	CAS No. if known: 7681529

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐							
☐							

SCOEPA00051511

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM HYPOCHLORITE**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	N 1 4	5.1 8.0	1791	875-93

CAS No. if known: 7681529

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐							
☐							

Common Name or Trade Name: **SODIUM METABISULFITE SOLUTION**

Hazardous Ingredient: **SODIUM METABISULFITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	00	00	365	C 1 4	6.3		

CAS No. if known: 7681574

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	10
☐	I	FAB 1	1	RODI	F101	S	04
☐							
☐							

Common Name or Trade Name: **SODIUM SULFIDE 10% SOLUTION**

Hazardous Ingredient: **SODIUM SULFIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	30	00	365	A 1 4 C 1 4	8.0 6.3	1849	

CAS No. if known: 1313822

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	NOX	1	TANKS INSIDE	NA	C	20
☐	O	NOX		TANKS OUTSIDE	NA	NW	20
☐							
☐							

SCOEPA00051512

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SPENT ACID**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	00	31	365	C 1 4	8.0	2031	7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2 FRD SUMP		S OF CFB	NA	C	20
☐							
☐							

Common Name or Trade Name: **STEPANOL AM**

Hazardous Ingredient: **AMMONIUM LAURYL SULFATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	E 1 4	6.3 / 4.5		2235543

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: **SULFURIC ACID 25%-70%**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	30	00	365	A 1 4 / N 1 4	8.0 / 6.3	1830	7664939

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULKCHEM		ACID STORAGE	BAY 1	SW	04
☐	I	FAB 1	1	RODI	F101	S	04
☐	O	NOX		TANK STRG	NA	W	11

1486

SCOEPA00051513

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: SULFURIC ACID 25%-70%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		FAB 1 SIDE	NA	SW	20
☐	O	WWTP		FAB 2 SIDE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **SURFONIC N-95 CDM**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	10	00	365	D 1 4	6.3		CAS No. if known: 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	C	10
☐							
☐							

Common Name or Trade Name: **TETRAMETHYLAMMONIUM HYDROXIDE**

Hazardous Ingredient: **TETRAMETHYLAMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	30	00	365	N 1 4 / E 1 4	8.0	1835	CAS No. if known: 75592

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	CHEM DELVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELVERY	K130	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	I	FAB 2	2	DEWAX CHASE	6D249	C	04
☐	I	FAB 2	2	POLISHING	6D232	C	04

SCOEPA00051514

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: TETRAMETHYLAMMONIUM HYDROXIDE

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **TRICHLOROSILANE**

Hazardous Ingredient: **TRICHLOROSILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	2	20	20	30	00	365	L 2 4	4.3	1295		10025782

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	TCS BUNKER	NA	C	04
☐	I	FAB 2	1	TCS ROOM	6C101	NW	04
☐	I	FAB1 BULK CHEM	1	FLAMM STRG	BAY 3	E	11
☐							
☐							

Common Name or Trade Name: **VANWET 9N9 SOLUTION**

Hazardous Ingredient: **POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	20	00	00	365	C 1 4	6.3			9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
☐	I	FAB 2	1	PROCESS SLURRY	6D118	N	11
☐	[1]	FAB1	1	Solvent Room	& D125	C	04
☐							

SCOEPA00051515

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VANWET 9N9**

Hazardous Ingredient: **POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4	6.3		CAS No. if known 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
☐	I	FAB 1	1	SOLVENTS ROOM	D125	S	04
☐	I	FAB 1	1	WHSE	I103	SW	10
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	I	FAB 2	1	PROCESSING SUPP	6D118	N	11
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	FAB 2	2	POLISHING	6D249	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **VECTOR HTR & HTS**

Hazardous Ingredient: **TRIETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	21	00	365	C 1 4 E 1 4	4.5 6.4		CAS No. if known 102716

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	LAPPING	6D104	C	04
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐	I	FAB 1	1	Solvent Room	D125	S	04
☐	I	FAB 1	1	Slurry prep	D123	S	10

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WAFERS**

Hazardous Ingredient: **GALLIUM ARSENIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	00	41	365	R 1 4	6.3 6.4		CAS No. if known: 1303000

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: **WASTE CAUSTIC SOLUTION CONC**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	00	00	365	A 1 4	8.0 6.3	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		CCD TANK	NA	C	30
☐	O	FAB2 FRWDG SUMP		CCD TANK	NA	N	30
☐	O	WWTP		CCD TANK	NA	SW	30
☐							
☐							

Common Name or Trade Name: **WASTE CHROMIC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	21	365	C 1 4	8.0 6.1	1790	CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WST CHROMC MODL		SOUTH YARD	NA	C	~~11~~ 10
☐							
☐							

1490

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE CONC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1052	7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWRD SUMP		S YARD	NA	C	30
☐	O	FAB2 FRWRD SUMP		S OF CFB	NA	S	30
☐	O	WWTP		WWTP FAB 2 SIDE	NA	E	30
☐							
☐							

Common Name or Trade Name: **WASTE OIL**

Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	00	20	365	A 1 4 / D 1 4	4.5 / 6.4	1270	64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG		HAZMAT WASTE	BAY 3	E	04
☐	I	FAB 1	1	MAINT	H120	E	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WASTE ORGANIC WASTE WATER**

Hazardous Ingredient: **ORGANICS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	30	30	00	00	365	A 1 4 / B 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 2 FRWDG SUM		NORTH OF CFB	NA	N	21

1491

SCOEPA00051518

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE ORGANIC WASTE WATER**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

Common Name or Trade Name: **WASTE WAX**

Hazardous Ingredient: **PARRAFIN WAX**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	10	00	21	365	D 1 4	3.2		CAS No. if known: 8002742

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG	1	HAZMAT WASTE	BAY 3	E	10
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WASTE WEAK ACID SOLUTION**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	40	00	00	365	B 1 4	6.3	1789	CAS No. if known: 7647010

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	FAB2 FRWDG SUMP		SOUTH OF CFB	NA	N	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

SCOEPA00051519

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE WIRE SAW SLURRY**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	~~10~~ 30	00	~~00~~ 30	365	D 1 4 / R 1 4	9.0		

CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	10
☐	O	WWTP		FAB 2 side	NA	N	30
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-NEW**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		

CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	11
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	10
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-RECYCLED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		

CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MSW SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	11
☐							

SCOEPA00051520

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: WIRE SAW SLURRY-RECYCLED

Delete ☐

Common Name or Trade Name: **WIRE SAW SLURRY-USED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐							
☐							

SCOEPA00051521

Chemical Form

2005
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: WASTE SOLVENT

Hazardous Ingredient: Mineral Spirits

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	04	365	01 41	4.5	1993	64742887

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB I bulk chemical ~~HAZWASTE STORAGE~~	1	HAZWASTE BAY	N/A	NW	04
☐							
☐							

Common Name or Trade Name:

Hazardous Ingredient:

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐							
☐							
☐							

Common Name or Trade Name:

Hazardous Ingredient:

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐							
☐							
☐							

SCOEPA00051522

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2004

Facility ID Number: 005268

2004
OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

2003 Report

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

☐ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
☐ YES ☐ NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period?
☐ YES ☐ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
☐ YES ☐ NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. NAICS CODE 1: DEFINITION:
2. NAICS CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: MFG OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. OWNER/CEO/REG AGENT:
6. SEND TO ATTENTION OF: BRIAN BAILEY
7. E-MAIL ADDRESS: brian.bailey@wacker.com
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: 7200 NW FRONT AVE
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: 1600
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: BRIAN BAILEY
15. EMERGENCY CONTACT PHONES: DAY: 503-219-7801 NIGHT: 360-750-5777
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☐ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: _____
18. ☐ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☐ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C PERSON COMPLETING FORM

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: _____
2. SIGNATURE: _____
3. Date: _____ Phone: _____ Ext: _____

BRIAN BAILEY
WACKER SILTRONIC CORP

7200 NW FRONT AVE
PORTLAND, OR 97210

For office use only: R____ F____ DE____/____ C____

1417

SCOEPA00051523

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABC DRY CHEMICAL**

Hazardous Ingredient: **MONOAMMONIUM PHOSPHATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	00	00	365	R 2	6.3	1044	7722761

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	20
☐	O	VARIOUS		NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE SOLUTION**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	21	31	00	365	C 1 4	9.0		1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LAPPING	C105	W	10
☐	I	FAB 2		NA	NA	V	03
☐	I	FAB 2	1	LAPPING	6D108	C	20
☐							
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	21	00	365	E 1 4 / K 1 4	6.4		1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							

1418

SCOEPA00051524

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D: Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Delete ☐

Common Name or Trade Name: **ABRASIVE POWDER**

Hazardous Ingredient: **SILICON CARBIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	E 1 4 K 1 4	9.0		CAS No. if known: 409212

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLICING	C111	C	20
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	SLURRY PREP	6D115	C	11
☐							
☐							

Common Name or Trade Name: **ACETIC ACID 35%**

Hazardous Ingredient: **ACETIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	N 1 4 E 1 4	8.0 6.3	2789	CAS No. if known: 64197

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	BULK ACID STRG	NA	NW	10
☐	I	FAB 2	1	SUBFAB MFG	6D103	C	04
☐	I	VARIOUS	1	NA	NA	V	04
☐							
☐							

Common Name or Trade Name: **ACETYLENE**

Hazardous Ingredient: **ACETYLENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	11	11	11	00	365	L 2 4	2.1 6.3	1001	CAS No. if known: 74862

1419

SCOEPA00051525

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ACETYLENE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MAINT SHOP	D121LT	S	10
☐	I	FAB 1	1	WELDING SHOP	H121	S	10
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ALUMINUM CHLOROHYDRATE 50%**

Hazardous Ingredient: **POLY ALUMINUM CHLORIDE, HYDRATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	30	00	365	O 1 4 / C 1 4	9.0	3264	1327419

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	W	20
☐							
☐							

Common Name or Trade Name: **AMBERJET UP4000**

Hazardous Ingredient: **QUAT AMINE DIVINYL BENZENE/STYRENE COPOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	11	11	11	00	365	I 1 4 / C 1 4	6.3		9017792

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	VARIOUS	NA	E	04
☐							
☐							

1420

SCOEPA00051526

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AMMONIUM HYDROXIDE 30%**

Hazardous Ingredient: **AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	30	00	365	N 1 4 / E 1 4	8.0 / 6.3	2672	CAS No. if known: 1336216

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	SLURRY PREP	F105	S	04
☐	I	HAZMAT	1	NA	NA	SW	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **ANTIFOAM SAG 795, 710**

Hazardous Ingredient: **POLYDIMETHYL SILOXANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	21	00	365	O 1 4 / E 1 4	9.0		CAS No. if known: 63148629

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	WHSE	I 103	SE	10
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	WWTP	1	NA	NA	W	10
☐							
☐							

Common Name or Trade Name: **ANTIFREEZE**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	D 1 4	6.3	3082	CAS No. if known: 107211

SCOEPA00051527

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ANTIFREEZE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	L117	N	04
☐							
☐							

Common Name or Trade Name: **ARGON 80%/HELIUM 20%**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	20	20	30	00	365	L 2 4	2.2	1006		7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ARGON LIQUID**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	30	30	31	00	365	A 2 7	2.2 6.3	1951		7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX		NA	NA	W	30
☐							
☐							

SCOEPA00051528

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARGON**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	20	365	L 2 4	2.2	1006	CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1 TCS	1	TCS BUNKER	NA	E	20
☐	I	VARIOUS		NA	NA	V	11
☐							
☐							

Common Name or Trade Name: **ARSINE 10 PPM IN HYDROGEN**

Hazardous Ingredient: **ARSINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	10	02	365	L 2 4	2.3 / 2.1	2188	CAS No. if known: 7784421

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPENT STRG	1	FAB 1 S YARD	NA	S	10
☐	I	FAB 1	2	HPM ROOM	K206	S	10
☐	I	FAB 1	2	HPM ROOM	K213	S	10
☐	I	FAB 1	2	HPM ROOMS	K203	S	10
☐							
☐							

Common Name or Trade Name: **AUTOMAT SOLUTION**

Hazardous Ingredient: **TETRAMETHYL AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	C 1 4	8.0	1835	CAS No. if known: 75592

SCOEPA00051529

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AUTOMAT SOLUTION**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CBS ROOM	E144	NE	11
☐							
☐							

Common Name or Trade Name: **CARBON DIOXIDE**

Hazardous Ingredient: **CARBON DIOXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	10	20	20	02	365	L 2 4	2.2	1013		124389
								6.3			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **CHROMIC ACID SOLUTION**

Hazardous Ingredient: **CHROMIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	04	04	10	00	365	N 1 4	8.0	1755		11115745
							C 1 4				

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROMIC DELIVRY	A 131	W	04
☐	I	FAB 1	1	CHROMIC ETCH RM	A 122	W	03
☐							
☐							

1424

SCOEPA00051530

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **CIMTECH 95**

Hazardous Ingredient: **ETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	04	04	04	00	365	D 1 4	8.0	1760		141435

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐							
☐							

Common Name or Trade Name: **CITRIC ACID**

Hazardous Ingredient: **CITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
1	1	20	20	30	00	365	N 1 4 / J 1 4	6.3	1759		77929

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	FINEGRIT LAPPNG	C 105	W	11
☐	I	FAB 1	1	WHSE	I102	W	11
☐	I	FAB 2	1	LAP SLURRY PREP	6D108	SE	04
☐							
☐							

Common Name or Trade Name: **CRL 80**

Hazardous Ingredient: **CYCLOHEXYLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	04	10	10	00	365	C 1 4 / E 1 4	8.0 / 6.3			108918

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

1425

SCOEPA00051531

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DETERGENT Q-9**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	20	30	00	365	E 1 4 / C 1 4	8.0	1814	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	FINEGRIT LAPPIN	C105A	W	04
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	10
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BASES ROOM	6C106	NE	04
☐	I	FAB 2	1	NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **DEVEL A**

Hazardous Ingredient: **ORTHO SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	N 1 4	9.0		CAS No. if known: 1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	02
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	2	NA	NA	V	02
☐							
☐							

SCOEPA00051532

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DIBORANE 25-1000 PPM IN HYDROGEN**

Hazardous Ingredient: **DIBORANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	11	365	L 2 4	2.1	1911	CAS No. if known: 19287457

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG FUL	1	DOPANT STRG FUL	NA	C	20
☐	I	FAB 1	2	2ND FLR EPI	NA	S	20
☐	I	FAB 2	1	EPI GASES	6C102	E	20
☐							
☐							

Common Name or Trade Name: **DIESEL**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	20	00	365	C 1 4	3.3 6.3	1202	CAS No. if known: 68476346

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	GENERATOR ROOM	A107	S	11
☐	I	CUB	1	GENERATOR ROOM	NA	NW	11
☐							
☐							

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	31	00	365	D 1 4 R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	NW	04
☐	I	FAB 1	1	PLATE PREP	C120/121	N	04

1427

SCOEPA00051533

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: DIPROPYLENE GLYCOL

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLICING	C111	N	11
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	MWS SLURRY	6D115	NW	04
☐							
☐							

Common Name or Trade Name: **DOWFROST GLYCOL**

Hazardous Ingredient: **PROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	20	04	00	365	R 1 4 / D 1 4	9.0			57556

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	04
☐	I	FAB 2	2	CHILLING LOOP	NA	V	10
☐							
☐							

Common Name or Trade Name: **ERKAMAR 3260**

Hazardous Ingredient: **MALEIC MODIFIED ROSIN ESTER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
1	1	10	11	20	00	365	K 1 4	9.0			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐							
☐							

SCOEPA00051534

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ETCHING SOLUTIONS**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	04	00	365	R 1 4	8.0 / 6.3		7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	04
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: **ETHYLENE GLYCOL**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [1]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	D 1 4 / R 1 4	6.3 / 6.4	3082	107211

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHILLING LOOP	NA	V	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **FERASIL**

Hazardous Ingredient: **ORGANIC ACIDS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [2]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	20	20	00	365	E 1 4 / R 1 4	8.0 / 6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	VARIOUS		NA	NA	V	03

1429

SCOEPA00051535

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **FERASIL**

Delete								
☐								
☐								

Common Name or Trade Name: **GRO PRO**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4 / R 1 4	9.0	1813	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A104	W	11
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **HELIUM**

Hazardous Ingredient: **HELIUM**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.2	1046	CAS No. if known: 7440597

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **HYDROCHLORIC ACID 31-37%**

Hazardous Ingredient: **HYDROCHLORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	30	21	00	365	E 1 4 / C 1 4	8.0 / 6.3	1789	CAS No. if known: 7647010

SCOEPA00051536

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: HYDROCHLORIC ACID 31-37%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	NE	10
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	FAB 1	1	CHEM DELIVERY	E142	NE	04
☐	I	FAB 1	1	CHEM STRG	K132	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB 2	2	CELL 8	6D232	NE	04
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	O	CFB		ACID TANK	NA	NE	21
☐							
☐							

Common Name or Trade Name: **HYDROFLUORIC ACID 48%-50%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	30	00	365	E 1 4	8.0		
							A 1 4	6.1	1790	CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1		BULK CHEM DELIV	K132	SE	04
☐	I	FAB 1	1	BULK CHEM DELIV	E142	N	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐							
☐							

SCOEPA00051537

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROFLUORIC ACID 60%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	30	00	92	A 1 4 / C 1 4	6.1 / 8.0	1790	CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	CELL 4	6B110	W	03
☐	O	FAB 2 BULK CHEM		HF/NNO3 PAD	NA	S	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN CHLORIDE**

Hazardous Ingredient: **HYDROGEN CHLORIDE** 5600 ft³/day

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	~~39~~ 21	~~30~~ 40	~~41~~ 50	~~20~~ 41	365	L 2 4	2.2 / 8.0	1050	CAS No. if known: 7647010

1.61E5 scf → 21; 2.03E6 scf → 40; 4.06E5 scf → 41

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	SE	20
☐	I	FAB 1	2	HPM ROOMS	K206	SE	20
☐	I	FAB 2	1	EPI GASES	C6102	NW	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN LIQUID**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	43	00	365	A 2 7	2.1 / 6.3	1966	CAS No. if known: 1333740

1432

SCOEPA00051538

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D: Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: HYDROGEN LIQUID

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		HYDROGEN PAD	NA	C	30
☐							
☐							

Common Name or Trade Name: **HYDROGEN PEROXIDE 30%**

Hazardous Ingredient: **HYDROGEN PEROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	30	30	00	365	N 1 4 / E 1 4	5.1 / 8.0	2014	5749-7	7722841

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	CHEM DELIVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELIVERY	K130	SE	04
☐	I	FAB 2	1	CHEM DELIVERY	6C109	NE	04
☐	I	FAB1 BULK STRG	1	TMAH STRG	BAY 6	SW	20
☐	I	HAZMAT	1	PEROXIDE SIDE	NA	W	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	W	04
☐							
☐							

Common Name or Trade Name: **HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	21	30	30	00	365	K 2 4	2.1	1049		1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STORAGE	1	S OF FAB 1	NA	C	21
☐	I	FAB 1 BULK CHEM		CYLINDER STORAG	BAY 5	SE	11

1433

SCOEPA00051539

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐							
☐							

Common Name or Trade Name: **INERGEN**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	30	30	00	00	365	L 2 4	2.2			7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	ADMIN	1	COMPUTER ROOM	NA	C	21
☐	I	FAB 1	1	COMPUTER ROOM	D119	C	20
☐	I	FAB 2	1	COMPUTER ROOM	6A137	S	20
☐							
☐							

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	04	10	00	00	365	N 1 4	3.2 6.3	1219		67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	00
☐	I	FAB 2	1	NA	NA	V	00

SCOEPA00051540

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ISOPROPYL ALCOHOL 10%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	2	NA	NA	V	00
☐							
☐							

Common Name or Trade Name: **ISOPROPYL ALCOHOL**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	D 1 4 N 1 4	3.2 6.3	1219	CAS No. if known: 67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	FLAMM STRG	BAY 3	E	10
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	04
☐	I	FAB 2	1	SOLVENT ROOM	6C105	NE	04
☐							
☐							

Common Name or Trade Name: **KEMILIME**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	20	11	00	365	J 1 4 6.3	8.0	1910	CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	V	20
☐							
☐							

1435

SCOEPA00051541

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LEAD ACID BATTERIES-WET**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	20	20	365	R 1 4	8.0	2800	
								6.3		CAS No. if known: 7664939

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	ELECTRICAL	A106	SW	20
☐	I	FAB 1	1	ELECTRICAL	A102	W	20
☐	I	FAB 1	1	ELECTRICAL	H115	SE	20
☐	I	FAB 1	1	ELECTRICAL	L116	NW	20
☐	I	FAB 2	1	BATTERY ROOM	6B109	NW	20
☐							
☐							

Common Name or Trade Name: **LIME SOLUTION**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	A 1 4	8.0		
							C 1 4	6.3		CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		DAY TANK	NA	E	21
☐							
☐							

Common Name or Trade Name: **LIME**

Hazardous Ingredient: **CALCIUM OXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	50	00	365	A 1 4	6.3		
							C 1 4		1910	CAS No. if known: 1305788

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		LIME SILO	NA	NW	30

SCOEPA00051542

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LIME**

Delete							
☐							
☐							

Common Name or Trade Name: **LUTENSOL AP 10**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	20	00	365	C 1 4 / E 1 4	6.3		

CAS No. if known: 68412544

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1		SOLVENT STORAGE	D125	S	04
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **MAGNAFLOC 120L**

Hazardous Ingredient: **SODIUM ACRYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	E 1 4	6.3		

CAS No. if known: 25085023

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	N	04
☐							
☐							

Common Name or Trade Name: **NCT-3**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	11	00	365	E 1 4 / R 1 4	8.0		

CAS No. if known: 1310732

SCOEPA00051543

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NCT-3**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	NA	NA	S	11
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	FAB 1	1	SLURRY PREP	F105	S	04
☐							
☐							

Common Name or Trade Name: **NITRIC ACID 70%**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	40	00	365	D 1 4 / A 1 4	8.0 / 6.3	2031	7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	BCD	K131	SW	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	21
☐	O	FAB2 BULK CHEM		HF/HNO3 PAD	NA	S	21
☐							
☐							

Common Name or Trade Name: **NITROGEN CRYOGENIC**

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	30	40	00	365	A 2 7 / S 2 7	2.2 / 6.3	1977	7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		NITROGEN PAD	NA	C	30
☐							
☐							

1438

SCOEPA00051544

Chemical Form

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OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITROGEN TRIFLUORIDE**

Hazardous Ingredient: **NITROGEN TRIFLUORIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V L 2 4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	10	10	10	00	365		2.2 / 5.1	2451	7783542

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	EPI GASES	C6102	NW	10
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	10
☐							
☐							

Common Name or Trade Name: **NITROGEN** Cyl 759 cyl used in 2003 @ 300 scf/cyl = 227,700 SCF

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III ✓	Amt OUT Code Use Table III ✓	No Days On Site 3 digits	Storage Code Use Table IV & V L 2 4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	31	31	40	00	365		2.2	1066	7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	S	20
☐	I	FAB 1	2	HPM ROOMS	K206	S	30
☐	I	FAB 1	2	HPM ROOMS	K213	S	20
☐	I	FAB 2	1	GASES RM	6C102	NW	20
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐							
☐							

Common Name or Trade Name: **NITROUS OXIDE**

Hazardous Ingredient: **NITROUS OXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V L 2 4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	30	30	21	00	365		2.2 / 6.3	1070	10024972

SCOEPA00051545

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITROUS OXIDE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	N2O PAD		N2O PAD	NA	N	30
☐							
☐							

Common Name or Trade Name: **OIL SPILL CONTROL**

Hazardous Ingredient: **SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
1	1	10	10	00	00	365	E 1 4	6.4	9188		1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	ERT SHED	1	NA	NA	C	10
☐							
☐							

Common Name or Trade Name: **OILS**

Hazardous Ingredient: **PETROLEUM HYDROCARBON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	20	20	00	365	A 1 4	6.3	1270	34704-352	64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	CHILLERS	A104	W	04
☐	I	CUB	1	NA	NA	V	03
☐	I	CUB	1	NA	NA	W	04
☐	I	FAB 1	1	FAC MAINT SHOP	H123	SE	04
☐	I	FAB 1	1	FAC MAINT SHOP	H125	SE	04
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐	I	FAB 1	1	METALS FAB	H117	SE	04
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	04

SCOEPA00051546

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: OILS

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	POLISH SERV LOT	E109	NW	10
☐	I	FAB 1	1	POLISH SERV LOT	E109A	NW	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐	I	FAB 1	B	GROWING BSMT	A001	W	10
☐	I	FAB 2	1	BULK CHEM DELIV	C6105	NE	04
☐	I	FAB1 BULK CHEM	1	SOLVENT STRG	BAY 3	E	10
☐							
☐							

Common Name or Trade Name: **OXYGEN LIQUID**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	2	10	10	20	00	365	L 2 7	2.2 / 5.1	1073	CAS: 7782447

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 1		O2 STATION	NA	W	10
☐	O	FAB 2		O2 STATION	NA	NW	10
☐							
☐							

Common Name or Trade Name: **OXYGEN**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	20	20	20	00	365	L 2 4	2.2 / 5.1	1072	CAS: 7782447

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	METALS FAB	H117	SE	10
☐	I	FAB 1	1	WELDING	H121	SE	11

SCOEPA00051547

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OXYGEN**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	O	FAB 1		MAINT LEANTO	D121LT	NW	11
☐							
☐							

Common Name or Trade Name: **PETROLEUM GREASES MISC.**

Hazardous Ingredient: **HEAVY NAPHTHENIC DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
							E 1 4	4.5		
2	1	10	11	20	00	365	R 1 4	6.4		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		NA	NA	V	03
☐	I	FAB 1		NA	NA	V	03
☐	I	FAB 2		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **PHOSPHINE 5-999 PPM IN HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
							L 2 4	2.3		
3	3	21	21	30	11	365		2.1	2199	CAS No. if known: 1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG	1	S OF FAB 1	NA	C	21
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K216	SE	11

SCOEPA00051548

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: PHOSPHINE 5-999 PPM IN HYDROGEN

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	EPI GASES	6C102	NW	11
☐							
☐							

Common Name or Trade Name: **POLISHING SLURRY**

Hazardous Ingredient: **AMORPHOUS SILICA**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	30	40	00	365	E 1 4 / J 1 4	6.3 / 6.4			7631869

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	GROWING WHSE	A109	W	10
☐	I	FAB 1	1	MWS SLURRY PREP	L117	NW	11
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	POLISHING	E102	N	04
☐	I	FAB 1	1	POLISHINGRETURN	E101	N	04
☐	I	FAB 1	1	SLURRY PREP	F103	S	10
☐	I	FAB 1	1	WET BLAST	C132A	C	04
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	NA	NA	V	03
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	N	21
☐	I	FAB 2	2	POLISHING CHASE	6D239	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D241	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D245	C	04
☐							
☐							

SCOEPA00051549

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POLYTREAT 3**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	11	00	365	E 1 4 / N 1 4	6.3	1814	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

Common Name or Trade Name: **POTASSIUM CARBONATE**

Hazardous Ingredient: **POTASSIUM CARBONATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	I 1 4 / J 1 4	6.3		CAS No. if known: 584087

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	F103	S	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							
☐							

Common Name or Trade Name: **POTASSIUM DICHROMATE SOLUTION**

Hazardous Ingredient: **POTASSIUM DICHROMATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	C 1 4 / N 1 4	6.1 / 8.0	3289	CAS No. if known: 7778509

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROME DELVRYRM	A131	W	04
☐							
☐							

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Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM HYDROXIDE SOLN**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	00	00	365	C 1 4	8.0 / 6.3	1814	1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	ACID ETCH	A130	NW	04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: **POTASSIUM HYDROXIDE**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	41	00	365	J 1 4	8.0 / 6.3	1813	1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	POSTLAP CAUSTIC	C132	W	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	ACID ETCH CHASE	6B110	W	04
☐							
☐							

Common Name or Trade Name: **PROPANE**

Hazardous Ingredient: **PROPANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	2	11	20	20	00	365	L 2 6	2.1 / 6.3	1075	74986

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	O	FAB 1		OUTSIDE WHSE	NA	SE	11
☐							

1445

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PROPANE**

Delete ☐

Common Name or Trade Name: **REFRIGERANT 22**

Hazardous Ingredient: **CHLORODIFLUOROMETHANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure [1] 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	1	20	20	20	00	365	L 2 4	2.2	1018	75456
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2		NA	NA	V	04
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	I	HVAC SHED		S YARD	NA	S	20
☐							
☐							

Common Name or Trade Name: **ROQUEST 3000**

Hazardous Ingredient: **CATIONIC POLYMER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **RP TEAM**

Hazardous Ingredient: **DIETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	11	00	365	E 1 4	9.0		111422

SCOEPA00051552

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **RP TEAM**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	C	04
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **SAND FILTERS**

Hazardous Ingredient: **CRYSTALLINE SILICA**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
1	1	20	20	20	20	365	R 1 4	9.0			14808607

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	CFB		MULTIMEDIA TNKS	NA	E	20
☐	O	WWTP		FAB 1 SIDE	NA	W	20
☐	O	WWTP		FAB 2 SIDE	NA	E	20
☐							
☐							

Common Name or Trade Name: **SILANE**

Hazardous Ingredient: **SILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	20	20	30	00	365	L 2 4	2.1 4.4	2203		7803625

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SILANE BUNKER	NA	S	10
☐	I	FAB 2	1	SILANE BUNKER	NA	N	11
☐							
☐							

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SILICON HYPERPURE CHIPS**

Hazardous Ingredient: **SILICON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	30	00	365	K 1 4	6.3 / 6.4		7440213

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							
☐							

Common Name or Trade Name: **SILICON INGOTS**

Hazardous Ingredient: **SILICON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	30	30	30	00	365	R 1 4	9.0		7440213

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: **SKYLIQUID WAX**

Hazardous Ingredient: **TOLUENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	20	00	365	N 1 4	3.2		108883

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SLUDGE-DEWATERED**

Hazardous Ingredient: **SILICON DIOXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 1

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	00	42	365	R 1 4	6.3	1346	7631869

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	WWTP	1	FILTER PRESS	NA	W	20
☐							
☐							

Common Name or Trade Name: **SLUDGE**

Hazardous Ingredient: **BIOSOLIDS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 2

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	00	42	365	A 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	O	WWTP		HYDROCYCLONE	NA	SW	21
☐							
☐							

Common Name or Trade Name: **SODIUM CHLORITE 25%**

Hazardous Ingredient: **SODIUM CHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 2

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: 9150-7-33003 / CAS No. if known 7758192
2	2	20	20	20	00	365	A 1 4 / C 1 4	5.1 / 6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	O	NOX	1	STORAGE TANK	NA	W	20
☐							
☐							

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Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM HYDROXIDE 20-50%**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	31	00	365	E 1 4 / A 1 4	8.0 / 6.3	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		UPW	A105	W	10
☐	I	FAB 1	1	BULK CHEM DELIV	E141	N	04
☐	I	FAB 1	1	CHEM STRG	K130	SE	10
☐	I	FAB 1	1	RODI	F101	S	10
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BULK CHEM DELIV	C6107	N	04
☐	O	CFB		BULK TANKS	NA	N	21
☐	O	FAB 2		EMERGNCYSCRUBBR	NA	S	11
☐	O	NOX		TANK STRG	NA	W	21
☐							
☐							

Common Name or Trade Name: **SODIUM HYPOCHLORITE SOLN**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	R 1 4	8.0	1791	CAS No. if known: 7681529

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐							
☐							

SCOEPA00051556

Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM METABISULFITE SOLUTION**

Hazardous Ingredient: **SODIUM METABISULFITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 2

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No:	CAS No. (if known)
2	2	04	10	00	00	365	C 1 4	6.3			7681574

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	CFB	1	UPW	A105	E	10
☐	I	FAB 1	1	RODI	F101	S	04
☐							
☐							

Common Name or Trade Name: **SODIUM SULFIDE 10%**

Hazardous Ingredient: **SODIUM SULFIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 2

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No:	CAS No. (if known)
2	2	20	20	30	00	365	A 1 4 C 1 4	8.0 6.3	1849		1313822

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	NOX	1	TANKS INSIDE	NA	C	20
☐	O	NOX		TANKS OUTSIDE	NA	NW	20
☐							
☐							

Common Name or Trade Name: **STEPANOL AM**

Hazardous Ingredient: **ALKYL SULFATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 2

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No:	CAS No. (if known)
2	2	10	10	11	00	365	E 1 4	9.0			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04

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Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **STEPANOL AM**

Delete								
☐								
☐								

Common Name or Trade Name: **SULFURIC ACID 25%-70%**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	30	00	365	A 1 4 / N 1 4	8.0 / 6.3	1830	CAS No. if known: 7664939

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULKCHEM		ACID STORAGE	BAY 1	SW	04
☐	I	FAB 1	1	RODI	F101	S	04
☐	O	NOX		TANK STRG	NA	W	11
☐	O	WWTP		FAB 1 SIDE	NA	SW	20
☐	O	WWTP		FAB 2 SIDE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **SURFONIC N-95 CDM**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	10	00	365	D 1 4	6.3		CAS No. if known: 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	C	10
☐							
☐							

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2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **TETRAMETHYLAMMONIUM HYDROXIDE**

Hazardous Ingredient: **TETRAMETHYLAMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	21	21	30	00	365	N 1 4 / E 1 4	8.0	1835		75592

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	CHEM DELVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELVERY	K130	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	I	FAB 2	2	DEWAX CHASE	6D249	C	04
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **TRICHLOROSILANE**

Hazardous Ingredient: **TRICHLOROSILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	2	20	20	30	00	365	L 2 4	3.2 / 4.3	1295		10025782

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	TCS BUNKER	NA	C	04
☐	I	FAB 2	1	TCS AREA	6C101	NW	10
☐	I	FAB1 BULK CHEM	1	FLAMM STRG	BAY 3	E	11
☐							
☐							

SCOEPA00051559

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VACUUM CLEANER DUST**

Hazardous Ingredient: **ANTIMONY TRIOXIDE**

No Longer Reportable	112R	EHS	PSM	1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
				2	1	1	11	11	00	21	365	D 1 4	9.0			1309644

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
	I	FAB 1	1	HOUSE VACUUM	A104	W	11

Common Name or Trade Name: **VANWET 9N9 SOLUTION**

Hazardous Ingredient: **POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE**

No Longer Reportable	112R	EHS	PSM	1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
				2	2	2	20	20	00	00	365	C 1 4	6.3			9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
	I	FAB 2	1	PROCESS SLURRY	6D118	N	11

Common Name or Trade Name: **VANWET 9N9**

Hazardous Ingredient: **POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE**

No Longer Reportable	112R	EHS	PSM	1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
				2	2	2	11	11	20	00	365	E 1 4	6.3			9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
	I	FAB 1	1	SOLVENTS ROOM	D125	S	04
	I	FAB 1	1	WHSE	I103	SW	10
	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04

SCOEPA00051560

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VANWET 9N9** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	PROCESSING SUPP	6D118	N	11
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	FAB 2	2	POLISHING	6D249	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **VECTOR HTR & HTS** [ ]

Hazardous Ingredient: **TRIETHANOLAMINE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	21	00	365	C 1 4	4.5		
							E 1 4	6.4		102716

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	LAPPING	6D104	C	04
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **VITEC 3000** [ ]

Hazardous Ingredient: **AMINOTRIALKYLPHOSPHONIC ACID** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	E 1 4	8.0		
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	RODI	F101	S	04

SCOEPA00051561

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: VITEC 3000

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **WAFERS-ANTIMONY**

Hazardous Ingredient: **ANTIMONY**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	00	41	365	R 1 4	6.3	2871	CAS No. if known: 7440360

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: **WASTE CAUSTIC SOLUTION CONC**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	00	00	365	A 1 4	8.0	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		CCD TANK	NA	C	30
☐	O	FAB2 FRWDG SUMP		CCD TANK	NA	N	30
☐	O	WWTP		CCD TANK	NA	SW	30
☐							
☐							

SCOEPA00051562

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE CHROMIC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	20	365	C 1 4	8.0	1790	
								6.1		CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WST CHROMC MODL		SOUTH YARD	NA	C	11
☐							
☐							

Common Name or Trade Name: **WASTE CONC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	40	00	00	365	A 1 4	8.0	1052	
							B 1 4	6.3		CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWRD SUMP		S YARD	NA	C	30
☐	O	FAB2 FRWRD SUMP		S OF CFB	NA	S	30
☐	O	WWTP		WWTP FAB 2 SIDE	NA	E	30
☐							
☐							

Common Name or Trade Name: **WASTE OIL**

Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	00	20	365	A 1 4	4.5	9277	
							D 1 4	6.4		CAS No. if known: 64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG		HAZMAT WASTE	BAY 3	E	04
☐	I	FAB 1	B	GROWING BSMT	A001	W	04
☐	I	VARIOUS		NA	NA	V	03

SCOEPA00051563

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE OIL**

Delete									
☐									
☐									

Common Name or Trade Name: **WASTE ORGANIC WASTE WATER**

Hazardous Ingredient: **ORGANICS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 2

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	00	00	365	A 1 4 / B 1 4	9.0		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	O	FAB 2 FRWDG SUM		NORTH OF CFB	NA	N	21
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

Common Name or Trade Name: **WASTE WAX**

Hazardous Ingredient: **PARRAFIN WAX**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 1

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No:
1	1	10	10	00	21	365	D 1 4	3.2		CAS No. if known: 8002742

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1 CHEM STRG	1	HAZMAT WASTE	BAY 3	E	10
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WASTE WEAK ACID SOLUTION**

Hazardous Ingredient:

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture: 2

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA if known	EPA Pesticide Registration No:
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1789	CAS No. if known: 7647010

SCOEPA00051564

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE WEAK ACID SOLUTION**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	FAB2 FRWDG SUMP		SOUTH OF CFB	NA	N	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

Common Name or Trade Name: **WASTE WIRE SAW SLURRY**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SUBFAB MFG	6D103	NW	10
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-NEW**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	11
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	10
☐							
☐							

SCOEPA00051565

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WIRE SAW SLURRY-RECYCLED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		

CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MSW SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	11
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-USED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		

CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐							
☐							

1460

SCOEPA00051566

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: [ ]

Hazardous Ingredient: [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ]	[ ]	[ ] / [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

Hazardous Ingredient: [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ]	[ ]	[ ] / [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

Hazardous Ingredient: [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ]	[ ]	[ ] / [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

SCOEPA00051567

Location Form

2004
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Number
005268

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

SCOEPA00051568

Due Date: November 30, 2004

Facility ID Number: 005268

2004
OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

SECTION A **HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

- [X] YES [ ] NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- [X] YES [ ] NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey perio
- [X] YES [ ] NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- [X] YES [ ] NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

SECTION B **DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. NAICS CODE 1: 334413 DEFINITION: SEMICONDUCTOR and RELATED DEVICE MANUFACTURING
2. NAICS CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: MFG OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. OWNER/CEO/REG AGENT: [NEIL NELSON]
6. SEND TO ATTENTION OF: BRIAN BAILEY
7. E-MAIL ADDRESS: brian.bailey@wacker.com [brian.bailey@siltronic.com]
8. BUSINESS NAME: ~~WACKER~~ SILTRONIC CORP [Siltronic Corp]
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: 1600
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: BRIAN BAILEY
15. EMERGENCY CONTACT PHONES: DAY: 503-219-7801 NIGHT: ~~360-750-5777~~ [(503) 219-6064]
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. [X] YES [ ] NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Health + Safety office
18. [X] YES [ ] NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. [ ] YES [X] NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. [X] YES [ ] NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C **PERSON COMPLETING FORM**

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: BRIAN BAILEY
2. SIGNATURE: [signature]
3. Date: 11-10-04 Phone: 219-7801 (503) Ext:

BRIAN BAILEY
WACKER SILTRONIC CORP
7200 NW FRONT AVE
PORTLAND, OR 97210

For office use only: [illegible]

1417

SCOEPA00051569

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABC DRY CHEMICAL**

Hazardous Ingredient: **MONOAMMONIUM PHOSPHATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	00	00	365	R 2	6.3	1044	7722761

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	20
☐	O	VARIOUS		NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE SOLUTION**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	21	31	00	365	C 1 4	9.0		1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LAPPING	C105	W	~~10~~ 04
☐	I	FAB 2		NA	NA	V	03
☐	I	FAB 2	1	LAPPING	6D108	C	20
☐	I	FAB 1	1	LAPPING PREP	A136	W	04
☐							

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	21	00	365	E 1 4 / K 1 4	6.4		1344281

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							

1418

SCOEPA00051570

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Delete ☐

Common Name or Trade Name: **ABRASIVE POWDER**

Hazardous Ingredient: **SILICON CARBIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	E 1 4 / K 1 4	9.0		CAS No. if known: 409212

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLICING	C111	C	20
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	SLURRY PREP	6D115	C	11
☐							
☐							

Common Name or Trade Name: **ACETIC ACID 35%**

Hazardous Ingredient: **ACETIC ACID**

☐ No Longer Reportable ☐ 112R ☒ EHS ☐ PSM ☒ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	N 1 4 / E 1 4	8.0 / 6.3	2789	CAS No. if known: 64197

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	BULK ACID STRG	NA	NW	10
☐	I	FAB 2	1	SUBFAB MFG	6D103	C	04
☐	~~I~~	~~VARIOUS~~	~~1~~	~~NA~~	~~NA~~	~~V~~	~~04~~
☐							
☐							

Common Name or Trade Name: **ACETYLENE**

Hazardous Ingredient: **ACETYLENE**

☐ No Longer Reportable ☐ 112R ☒ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	11	11	11	00	365	~~1 2 4~~ / 1 2 4	~~2.1~~ / 6.3	1001	CAS No. if known: 74862

1419

SCOEPA00051571

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numbe 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ACETYLENE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table II
☐	I	FAB 1	1	MAINT SHOP	D121LT	S	10
☐	I	FAB 1	1	WELDING SHOP	H121	S	10
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ALUMINUM CHLOROHYDRATE 50%**

Hazardous Ingredient: **POLY ALUMINUM CHLORIDE, HYDRATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	30	00	365	O 1 4 / C 1 4	9.0	3264	1327419

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	W	20
☐							
☐							

Common Name or Trade Name: **AMBERJET UP4000**

Hazardous Ingredient: **QUAT AMINE DIVINYL BENZENE/STYRENE COPOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	11	11	11	00	365	I 1 4 / C 1 4	6.3		9017792

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	VARIOUS	NA	E	04
☐							
☐							

1420

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numbe 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AMMONIUM HYDROXIDE 30%**

Hazardous Ingredient: **AMMONIUM HYDROXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
	2	2	10	11	30	00	365	N 1 4 / E 1 4	8.0 / 6.3	2672	1336216

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	NA	NA	V	03
☒	~~I~~	~~FAB 1~~	~~1~~	~~SLURRY PREP~~	F105	~~S~~	~~04~~
☐	I	HAZMAT	1	NA	NA	SW	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **ANTIFOAM SAG 795, 710**

Hazardous Ingredient: **POLYDIMETHYL SILOXANE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
	2	2	10	10	21	00	365	O 1 4 / E 1 4	9.0		63148629

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I 103	SE	10
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	WWTP	1	NA	NA	W	10
☐	~~I~~	FAB 1	1	SLURRY PREP	D123	S	04
☐							

Common Name or Trade Name: **ANTIFREEZE**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
	2	2	04	04	04	00	365	D 1 4	6.3	3082	107211

SCOEPA00051573

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ANTIFREEZE**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	L117	N	04
☐							
☐							

Common Name or Trade Name: **ARGON 80%/HELIUM 20%**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	20	20	30	00	365	L 2 4	2.2	1006	7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Common Name or Trade Name: **ARGON LIQUID**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	30	30	31	00	365	A 2 7	2.2 6.3	1951	7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX		NA	NA	W	30
☐							
☐							

1422

SCOEPA00051574

Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numbe 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARGON**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	20	365	L 2 4	2.2	1006	CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1 TCS	1	TCS BUNKER	NA	E	20
☐	I	VARIOUS		NA	NA	V	11
☐							
☐							

Common Name or Trade Name: **ARSINE 10 PPM IN HYDROGEN**

Hazardous Ingredient: **ARSINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	10	02	365	L 2 4	2.1	2188	CAS No. if known: 7784421

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPENT STRG	1	FAB 1 S YARD	NA	S	10
☐	I	FAB 1	2	HPM ROOM	K206	S	10
☐	I	FAB 1	2	HPM ROOM	K213	S	10
☐	I	FAB 1	2	HPM ROOMS	K203	S	10
☐							
☐							

Common Name or Trade Name: **AUTOMAT SOLUTION**

Hazardous Ingredient: **TETRAMETHYL AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	C 1 4	8.0	1835	CAS No. if known: 75592

1423

SCOEPA00051575

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AUTOMAT SOLUTION**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CBS ROOM	E144	NE	11
☐							
☐							

Common Name or Trade Name: **CARBON DIOXIDE**

Hazardous Ingredient: **CARBON DIOXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	20	20	02	365	L 2 4	2.2	1013	CAS No. if known: 124389

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **CHROMIC ACID SOLUTION**

Hazardous Ingredient: **CHROMIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	C 1 4	8.0	1755	CAS No. if known: 11115745

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROMIC DELIVRY	A 131	W	04
☒	I	FAB 1	1	CHROMIC ETCH RM	A 122	W	03
☐							
☐							

SCOEPA00051576

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **CIMTECH 95**

Hazardous Ingredient: **ETHANOLAMINE**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
☐ 112R								D 1 4			
☐ EHS											CAS No. if known
☐ PSM											
☒ 1-Pure 2-Mixture	2	2	04	04	04	00	365		8.0	1760	141435

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐							
☐							

Common Name or Trade Name: **CITRIC ACID**

Hazardous Ingredient: **CITRIC ACID**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
☐ 112R								N 1 4			
☐ EHS											CAS No. if known
☐ PSM											
☒ 1-Pure 2-Mixture	1	1	20	20	30	00	365	J 1 4	6.3	1759	77929

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	FINEGRIT LAPPNG	C 105	W	11
☐	I	FAB 1	1	WHSE	I102	W	~~11~~ 22
☒	I	FAB 2	1	LAP SLURRY PREP	6D108	SE	04
☐							
☐							

Common Name or Trade Name: **CRL 80**

Hazardous Ingredient: **CYCLOHEXYLAMINE**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
☐ 112R								C 1 4	8.0		
☐ EHS											CAS No. if known
☐ PSM											
☒ 1-Pure 2-Mixture	2	2	04	10	10	00	365	E 1 4	6.3		108918

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

1425

SCOEPA00051577

Form

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DETERGENT Q-9**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	20	30	00	365	C 1 4	8.0	1814	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	FINEGRIT LAPPIN	C105A	W	04
☒	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	10
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BASES ROOM	6C106	NE	04
☒	I	FAB 2	1	NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **DEVEL A**

Hazardous Ingredient: **ORTHO SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	N 1 4	9.0		CAS No. if known: 1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	02
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	2	NA	NA	V	02
☐							
☐							

1426

SCOEPA00051578

Form 2004 OREGON STATE FIRE MARSHAL Facility ID Numbe 005268

Hazardous Substance Information Survey

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DIBORANE 25-1000 PPM IN HYDROGEN**

Hazardous Ingredient: **DIBORANE**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
112R								L 2 4			
EHS											
PSM											
[2] 1-Pure 2-Mixture [ ]	3	3	21	30	30	11	365		2.1	1911	19287457

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG FUL	1	DOPANT STRG FUL	NA	C	20
☐	I	FAB 1	2	2ND FLR EPI	NA	S	20
☐	I	FAB 2	1	EPI GASES	6C102	E	20
☐							
☐							

Common Name or Trade Name: **DIESEL**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
112R								C 1 4			
EHS									3.3		
PSM											
[2] 1-Pure 2-Mixture [ ]	2	2	20	20	20	00	365		6.3	1202	68476346

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	GENERATOR ROOM	A107	S	11
☐	I	CUB	1	GENERATOR ROOM	NA	NW	11
☐							
☐							

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
112R								D 1 4			
EHS									9.0		
PSM											
[1] 1-Pure 2-Mixture	2	2	20	20	31	00	365	R 1 4			25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	I117	NW	04
☐	I	FAB 1	1	PLATE PREP	C120/121	N	04

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numbe 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table II
☐	I	FAB 1	1	SLICING	C111	N	11
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	MWS SLURRY	6D115	NW	04
☐							
☐							

Common Name or Trade Name: **DOWFROST GLYCOL**

Hazardous Ingredient: **PROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	04	00	365	R 1 4 / D 1 4	9.0		CAS No. if known: 57556

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	04
☐	I	FAB 2	2	CHILLING LOOP	NA	V	10
☐							
☐							

Common Name or Trade Name: **ERKAMAR 3260**

Hazardous Ingredient: **MALEIC MODIFIED ROSIN ESTER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	11	20	00	365	K 1 4	9.0		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐							
☐							

1428

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Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ETCHING SOLUTIONS**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	04	00	365	R 1 4	8.0 / 6.3		7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	04
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐	J	FAB 1	1	BATCH CLEAN	B122	W	04
☐							

Common Name or Trade Name: **ETHYLENE GLYCOL**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	D 1 4 / R 1 4	6.3 / 6.4	3082	107211

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHILLING LOOP	NA	V	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **FERASIL**

Hazardous Ingredient: **ORGANIC ACIDS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	20	20	00	365	E 1 4 / R 1 4	8.0 / 6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	VARIOUS		NA	NA	V	03

1429

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2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **FERASIL**

Delete							
☐							
☐							

Common Name or Trade Name: **GRO PRO**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	11	20	00	365	E 1 4 / R 1 4	9.0	1813	1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A104	W	11
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **HELIUM**

Hazardous Ingredient: **HELIUM**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	20	20	30	00	365	L 2 4	2.2	1046	7440597

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **HYDROCHLORIC ACID 31-37%**

Hazardous Ingredient: **HYDROCHLORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	~~30~~ 20	21	00	365	C 1 4	6.3	1789	7647010

1430

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: HYDROCHLORIC ACID 31-37%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	NE	10
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	FAB 1	1	CHEM DELIVERY	E142	NE	04
☐	I	FAB 1	1	CHEM STRG	K132	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB 2	2	CELL 8	6D232	NE	04
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	O	CFB		ACID TANK	NA	NE	21
☐	J	FAB1	1	Rod1 Room	F101	SE	04
☐							

Common Name or Trade Name: HYDROFLUORIC ACID 48%-50%

Hazardous Ingredient: HYDROFLUORIC ACID

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure [2] 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	21	30	00	365	E 1 4 / A 1 4	8.0 / 6.1	1790	7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1		BULK CHEM DELIV	K132	SE	04
☐	I	FAB 1	1	BULK CHEM DELIV	E142	N	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐							
☐							

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROFLUORIC ACID 60%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	30	00	~~92~~ 365	A 1 4 / C 1 4	6.1 / 8.0	1790	CAS No. if known: 7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	CELL 4	6B110	W	03
☐	O	FAB 2 BULK CHEM		HF/NNO3 PAD	NA	S	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN CHLORIDE**

Hazardous Ingredient: **HYDROGEN CHLORIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	30	30	41	20	365	L 2 4	8.0	1050	CAS No. if known: 7647010

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	SE	20
☐	I	FAB 1	2	HPM ROOMS	K206	SE	20
☐	I	FAB 2	1	EPI GASES	C6102	NW	20
☐							
☐							

Common Name or Trade Name: **HYDROGEN LIQUID**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable ☐ 112R ☐ EHS ☒ PSM ☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	43	00	365	A 2 7	2.1 / 6.3	1966	CAS No. if known: 1333740

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN LIQUID**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		HYDROGEN PAD	NA	C	30
☐							
☐							

Common Name or Trade Name: **HYDROGEN PEROXIDE 30%**

Hazardous Ingredient: **HYDROGEN PEROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 5749-7
2	2	20	30	30	00	365	N 1 4 / E 1 4	5.1 / 8.0	2014	CAS No. if known: 7722841

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	CHEM DELIVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELIVERY	K130	SE	04
☐	I	FAB 2	1	CHEM DELIVERY	6C109	NE	04
☐	I	FAB1 BULK STRG	1	TMAH STRG	BAY 6	SW	20
☐	I	HAZMAT	1	PEROXIDE SIDE	NA	W	04
☐	O	FAB 1	1	DELIVERYMODULE	NA	W	04
☐							
☐							

Common Name or Trade Name: **HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	00	365	K 2 4	2.1	1049	CAS No. if known: 1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STORAGE	1	S OF FAB 1	NA	C	21
☐	I	FAB 1 BULK CHEM		CYLINDER STORAG	BAY 5	SE	11

1433

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐							
☐							

Common Name or Trade Name: **INERGEN**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	30	30	00	00	365	L 2 4	2.2		CAS No. if known: 7440371

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	ADMIN	1	COMPUTER ROOM	NA	C	21
☐	I	FAB 1	1	COMPUTER ROOM	D119	C	20
☐	I	FAB 2	1	COMPUTER ROOM	6A137	S	20
☐	I	FAB 2	1	COMPUTER ROOM	6D112	NE	20
☐	I	FAB 2	1	COMPUTER ROOM	6D111	W	20

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	00	00	365	N 1 4	3.2 6.3	1219	CAS No. if known: 67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	00
☐	I	FAB 2	1	NA	NA	V	00

SCOEPA00051586

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	2	NA	NA	V	00
☐							
☐							

Common Name or Trade Name: **ISOPROPYL ALCOHOL**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	11	20	00	365	D 1 4 / N 1 4	3.2 / 6.3	1219	CAS No. if known: 67630

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	FLAMM STRG	BAY 3	E	10
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	04
☐	I	FAB 2	1	SOLVENT ROOM	6C105	NE	04
☐							
☐							

Common Name or Trade Name: **KEMILIME**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	11	20	11	00	365	J 1 4	8.0 / 6.3	1910	CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	V	20
☐							
☐							

1435

SCOEPA00051587

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2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LEAD ACID BATTERIES-WET**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	20	20	365	R 1 4	8.0	2800	CAS No. if known: 7664939
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	ELECTRICAL	A106	SW	20
☐	I	FAB 1	1	ELECTRICAL	A102	W	20
☐	I	FAB 1	1	ELECTRICAL	H115	SE	20
☐	I	FAB 1	1	ELECTRICAL	L116	NW	20
☐	I	FAB 2	1	BATTERY ROOM	6B109	NW	20
☐							
☐							

Common Name or Trade Name: **LIME SOLUTION**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	A 1 4 / C 1 4	8.0 / 6.3		CAS No. if known: 1305620

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		DAY TANK	NA	E	21
☐							
☐							

Common Name or Trade Name: **LIME**

Hazardous Ingredient: **CALCIUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	50	00	365	A 1 4 / C 1 4	6.3	1910	CAS No. if known: 1305788

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		LIME SILO	NA	NW	30

1436

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2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LIME**

Delete								
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete								
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **LUTENSOL AP 10**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	20	00	365	C 1 4 / E 1 4	6.3		CAS No. if known: 68412544

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	~~SOLVENT STORAGE~~ Stock Prep	~~D125~~ D123	S	~~04~~ 02
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **MAGNAFLOC 120L**

Hazardous Ingredient: **SODIUM ACRYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	E 1 4	6.3		CAS No. if known: 25085023

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	N	04
☐							
☐							

Common Name or Trade Name: **NCT-3**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	11	00	365	E 1 4 / R 1 4	8.0		CAS No. if known: 1310732

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: NCT-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	NA	NA	S	11
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	FAB 1	1	SLURRY PREP	F105	S	04
☐							
☐							

Common Name or Trade Name: NITRIC ACID 70%

Hazardous Ingredient: NITRIC ACID

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	40	00	365	D 1 4 / A 1 4	8.0 / 6.3	2031	CAS No. if known: 7697372

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	BCD	K131	SW	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	21
☐	O	FAB2 BULK CHEM		HF/HNO3 PAD	NA	S	21
☐							
☐							

Common Name or Trade Name: NITROGEN CRYOGENIC

Hazardous Ingredient: NITROGEN

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	30	40	00	365	S 2 7 / 6.3	2.2	1977	CAS No. if known: 7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		NITROGEN PAD	NA	C	30
☐							
☐							

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2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITROGEN TRIFLUORIDE**

Hazardous Ingredient: **NITROGEN TRIFLUORIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V L	2	4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	10	10	00	365				2.2 5.1	2451	CAS No. if known: 7783542

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	EPI GASES	C6102	NW	10
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	10
☐							
☐							

Common Name or Trade Name: **NITROGEN**

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V L	2	4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	31	31	40	00	365				2.2	1066	CAS No. if known: 7727379

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	S	20
☐	I	FAB 1	2	HPM ROOMS	K206	S	30
☐	I	FAB 1	2	HPM ROOMS	K213	S	20
☐	I	FAB 2	1	GASES RM	6C102	NW	20
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐							
☐							

Common Name or Trade Name: **NITROUS OXIDE**

Hazardous Ingredient: **NITROUS OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V L	2	4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	30	30	21	00	365				2.2 6.3	1070	CAS No. if known: 10024972

1439

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: NITROUS OXIDE

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	N2O PAD		N2O PAD	NA	N	30
☐							
☐							

Common Name or Trade Name: OIL SPILL CONTROL

Hazardous Ingredient: SODIUM SILICATE

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	10	00	00	365	E 1 4	6.4	9188	CAS No. if known: 1344098

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	ERT SHED	1	NA	NA	C	10
☐							
☐							

Common Name or Trade Name: OILS

Hazardous Ingredient: PETROLEUM HYDROCARBON

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 34704-352
2	2	20	20	20	00	365	N 1 4 / A 1 4	4.5 / 6.3	1270	CAS No. if known: 64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	CHILLERS	A104	W	04
☐	I	CUB	1	NA	NA	V	03
☐	I	CUB	1	NA	NA	W	04
☐	I	FAB 1	1	FAC MAINT SHOP	H123	SE	04
☐	I	FAB 1	1	FAC MAINT SHOP	H125	SE	04
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐	I	FAB 1	1	METALS FAB	H117	SE	04
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	~~04~~

1440

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Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OILS**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	POLISH SERV LOT	E109	NW	10
☐	I	FAB 1	1	POLISH SERV LOT	E109A	NW	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☒	I	FAB 1	B	GROWING BSMT	A001	W	~~10~~
☐	I	FAB 2	1	BULK CHEM DELIV	C6105	NE	04
☐	I	FAB1 BULK CHEM	1	SOLVENT STRG	BAY 3	E	10
☐							
☐							

Common Name or Trade Name: **OXYGEN LIQUID**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
3	2	10	10	20	00	365	L 2 7	2.2 5.1	1073	CAS No. if known: 7782447

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 1		O2 STATION	NA	W	10
☐	O	FAB 2		O2 STATION	NA	NW	10
☐							
☐							

Common Name or Trade Name: **OXYGEN**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
3	3	20	20	20	00	365	L 2 4	2.2 5.1	1072	CAS No. if known: 7782447

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	METALS FAB	H117	SE	10
☐	I	FAB 1	1	WELDING	H121	SE	11

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Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OXYGEN**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	O	FAB 1		MAINT LEANTO	D121LT	NW	11
☐							
☐							

Common Name or Trade Name: **PETROLEUM GREASES MISC.**

Hazardous Ingredient: **HEAVY NAPHTHENIC DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	1	10	11	20	00	365	E 1 4 / R 1 4	4.5 / 6.4		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		NA	NA	V	03
☐	I	FAB 1		NA	NA	V	03
☐	I	FAB 2		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **PHOSPHINE 5-999 PPM IN HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	21	30	11	365	L 2 4	2.3 / 2.1	2199	CAS No. if known 1333740

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG	1	S OF FAB 1	NA	C	21
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K216	SE	11

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Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: PHOSPHINE 5-999 PPM IN HYDROGEN

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	EPI GASES	6C102	NW	11
☐							
☐							

Common Name or Trade Name: POLISHING SLURRY

Hazardous Ingredient: ~~AMORPHOUS SILICA~~ Silicon Dioxide

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	20	30	40	00	365	E 1 4 / J 1 4	6.3 / 6.4			7631869

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☒	I	FAB 1	1	GROWING WHSE	A109	W	10
☒	I	FAB 1	1	MWS SLURRY PREP	L117	NW	11
☒	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	POLISHING	E102	N	04
☐	I	FAB 1	1	POLISHINGRETURN	E101	N	04
☐	I	FAB 1	1	SLURRY PREP	F103	S	10
☐	I	FAB 1	1	WET BLAST	C132A	C	04
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	NA	NA	V	03
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	N	21
☐	I	FAB 2	2	POLISHING CHASE	6D239	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D241	C	10
☐	I	FAB 2	2	POLISHING CHASE	6D245	C	04
☐							
☐							

1443

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POLYTREAT 3** [ ]

Hazardous Ingredient: **POTASSIUM HYDROXIDE** [ ]

	Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. if known
☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture [ ]	2	2	04	10	11	00	365	E 1 4 N 1 4	6.3	1814	CAS No. if known: 1310583

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

Common Name or Trade Name: **POTASSIUM CARBONATE** [ ]

Hazardous Ingredient: **POTASSIUM CARBONATE** [ ]

	Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. if known
☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1 1-Pure 2-Mixture	1	1	20	20	40	00	365	I 1 4 J 1 4	6.3		CAS No. if known: 584087

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	SLURRY PREP	F103	S	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							
☐							

Common Name or Trade Name: **POTASSIUM DICHROMATE SOLUTION** [ ]

Hazardous Ingredient: **POTASSIUM DICHROMATE** [ ]

	Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. if known
☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture	2	2	04	04	10	00	365	C 1 4 N 1 4	6.1 8.0	3289	CAS No. if known: 7778509

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	CHROME DELVRYRM	A131	W	04
☐							
☐							

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2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM HYDROXIDE SOLN**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	00	00	365	C 1 4	8.0	1814	1310583

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	I	FAB 1	1	ACID ETCH	A130	NW	04
Delete ☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
Delete ☐							
Delete ☐							

Common Name or Trade Name: **POTASSIUM HYDROXIDE**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	41	00	365	J 1 4	6.3	1813	1310583

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	I	FAB 1	1	POSTLAP CAUSTIC	C132	W	11
Delete ☐	I	FAB 1	1	WHSE	I103	SE	20
Delete ☐	I	FAB 2	1	ACID ETCH CHASE	6B110	W	04
Delete ☐							
Delete ☐							

Common Name or Trade Name: **PROPANE**

Hazardous Ingredient: **PROPANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	2	11	20	20	00	365	L 2 6	6.3	1075	74986

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	O	FAB 1		OUTSIDE WHSE	NA	SE	11
Delete ☐							

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Chemical Form

2004

OREGON STATE FIRE MARSHAL

Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PROPANE**

Delete ☐

Common Name or Trade Name: **REFRIGERANT 22**

Hazardous Ingredient: **CHLORODIFLUOROMETHANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	1	20	20	20	00	365	L 2 4	2.2 6.3	1018	CAS No. if known: 75456

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2		NA	NA	V	04
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	I	HVAC SHED		S YARD	NA	S	20
☐							
☐							

Common Name or Trade Name: **ROQUEST 3000**

Hazardous Ingredient: **CATIONIC POLYMER**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	11	00	365	E 1 4	9.0		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **RP TEAM**

Hazardous Ingredient: **DIETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	11	00	365	E 1 4	9.0		CAS No. if known: 111422

1446

SCOEPA00051598

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **RP TEAM**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	C	~~04~~ 10
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **SAND FILTERS**

Hazardous Ingredient: **CRYSTALLINE SILICA**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
1	1	20	20	20	20	365	R 1 4	9.0			14808607

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	CFB		MULTIMEDIA TNKS	NA	E	20
☐	O	WWTP		FAB 1 SIDE	NA	W	20
☐	O	WWTP		FAB 2 SIDE	NA	E	20
☐							
☐							

Common Name or Trade Name: **SILANE**

Hazardous Ingredient: **SILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
3	3	20	20	30	00	365	L 2 4	4.4	2203		7803625

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SILANE BUNKER	NA	S	10
☐	I	FAB 2	1	SILANE BUNKER	NA	N	11
☐							
☐							

1447

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2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SILICON HYPERPURE CHIPS**

Hazardous Ingredient: **SILICON**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	30	00	365	K 1 4	6.3		
								6.4		CAS No. if known: 7440213

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							
☐							

Common Name or Trade Name: **SILICON INGOTS**

Hazardous Ingredient: **SILICON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	30	00	365	R 1 4	9.0		CAS No. if known: 7440213

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: **SKYLIQUID WAX**

Hazardous Ingredient: **TOLUENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	20	00	365	N 1 4	3.2		CAS No. if known: 108883

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

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Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: ~~SLUDGE-DEWATERED~~ [WASTE SLUDGE - DEWATERED]

Hazardous Ingredient: **SILICON DIOXIDE**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
112R								R 1 4			
EHS											
PSM											CAS No. if known
[2] 1-Pure 2-Mixture	1	1	~~20~~ [21]	~~20~~ [21]	00	~~42~~ [50]	365		6.3	1346	7631869

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	FILTER PRESS	NA	W	20
☐							
☐							

Common Name or Trade Name: **SLUDGE**

Hazardous Ingredient: **BIOSOLIDS**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
112R								A 1 4			
EHS											
PSM											CAS No. if known
[2] 1-Pure 2-Mixture	2	2	21	21	00	42	365		9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		HYDROCYCLONE	NA	SW	21
☐							
☐							

Common Name or Trade Name: **SODIUM CHLORITE 25%**

Hazardous Ingredient: **SODIUM CHLORITE**

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 9150-7-33003
112R								A 1 4			
EHS											
PSM											CAS No. if known
[2] 1-Pure 2-Mixture	2	2	20	20	20	00	365	C 1 4	6.3		7758192

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX	1	STORAGE TANK	NA	W	20
☐							
☐							

1449

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2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM HYDROXIDE 20-50%**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	30	30	31	00	365	E 1 4 / A 1 4	8.0 / 6.3	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		UPW	A105	W	10
☐	I	FAB 1	1	BULK CHEM DELIV	E141	N	04
☐	I	FAB 1	1	CHEM STRG	K130	SE	10
☐	I	FAB 1	1	RODI	F101	S	10
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BULK CHEM DELIV	C6107	N	04
☐	O	CFB		BULK TANKS	NA	N	21
☐	O	FAB 2		EMERGNCYSCRUBBR	NA	S	11
☐	O	NOX		TANK STRG	NA	W	21
☐	I	FAB2	1	Process Support	6D118	N	04
☐							

Common Name or Trade Name: **SODIUM HYPOCHLORITE SOLN**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	00	365	R 1 4	8.0	1791	CAS No. if known: 7681529

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐							
☐							

1450

SCOEPA00051602

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numbe
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM METABISULFITE SOLUTION**

Hazardous Ingredient: **SODIUM METABISULFITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	00	00	365	C 1 4	6.3		7681574

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	10
☐	I	FAB 1	1	RODI	F101	S	04
☐							
☐							

Common Name or Trade Name: **SODIUM SULFIDE 10%**

Hazardous Ingredient: **SODIUM SULFIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	30	00	365	A 1 4 / C 1 4	8.0 / 6.3	1849	1313822

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	NOX	1	TANKS INSIDE	NA	C	20
☐	O	NOX		TANKS OUTSIDE	NA	NW	20
☐							
☐							

Common Name or Trade Name: **STEPANOL AM**

Hazardous Ingredient: **ALKYL SULFATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04

1451

SCOEPA00051603

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **STEPANOL AM**

Delete							
☐							
☐							

Common Name or Trade Name: **SULFURIC ACID 25%-70%**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	21	21	30	00	365	A 1 4 / N 1 4	8.0 / 6.3	1830	CAS No. if known: 7664939

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULKCHEM		ACID STORAGE	BAY 1	SW	04
☐	I	FAB 1	1	RODI	F101	S	04
☐	O	NOX		TANK STRG	NA	W	11
☐	O	WWTP		FAB 1 SIDE	NA	SW	20
☐	O	WWTP		FAB 2 SIDE	NA	SW	04
☐							
☐							

Common Name or Trade Name: **SURFONIC N-95 CDM**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	04	10	10	00	365	D 1 4	6.3		CAS No. if known: 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	C	10
☐							
☐							

1452

SCOEPA00051604

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2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **TETRAMETHYLAMMONIUM HYDROXIDE**

Hazardous Ingredient: **TETRAMETHYLAMMONIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	30	00	365	N 1 4 / E 1 4	8.0	1835	CAS No. if known: 75592

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	CHEM DELVERY	E141	NE	04
☐	I	FAB 1	1	CHEM DELVERY	K130	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	I	FAB 2	2	DEWAX CHASE	6D249	C	04
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **TRICHLOROSILANE**

Hazardous Ingredient: **TRICHLOROSILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	20	20	30	00	365	L 2 4	3.2 / 4.3	1295	CAS No. if known: 10025782

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	TCS BUNKER	NA	C	04
☐	I	FAB 2	1	TCS ~~AREA~~ room	6C101	NW	~~10~~ 04
☐	I	FAB1 BULK CHEM	1	FLAMM STRG	BAY 3	E	11
☐							
☐							

1453

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Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VACUUM CLEANER DUST**

Hazardous Ingredient: **ANTIMONY TRIOXIDE**

☒ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	11	00	21	365	D 1 4	9.0		CAS No. if known: 1309644

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	HOUSE VACUUM	A104	W	11
☐							
☐							

Common Name or Trade Name: **VANWET 9N9 SOLUTION**

Hazardous Ingredient: **POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	00	00	365	C 1 4	6.3		CAS No. if known: 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
☐	I	FAB 2	1	PROCESS SLURRY	6D118	N	11
☐							
☐							

Common Name or Trade Name: **VANWET 9N9**

Hazardous Ingredient: **POLY(OXY-1,2-ETHANEDIYL),ALPHA-(NONYLPHE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4	6.3		CAS No. if known: 9016459

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM DELIVERY	E144	NE	11
☐	I	FAB 1	1	SOLVENTS ROOM	D125	S	04
☐	I	FAB 1	1	WHSE	I103	SW	10
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VANWET 9N9**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	PROCESSING SUPP	6D118	N	11
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	FAB 2	2	POLISHING	6D249	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **VECTOR HTR & HTS**

Hazardous Ingredient: **TRIETHANOLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	21	00	365	C 1 4 / E 1 4	4.5 / 6.4		CAS No. if known: 102716

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	LAPPING	6D104	C	04
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **VITEC 3000**

Hazardous Ingredient: **AMINOTRIALKYLPHOSPHONIC ACID**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	11	00	365	E 1 4	8.0 / 6.3		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	RODI	F101	S	04

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2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: VITEC 3000

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: ~~WAFERS-ANTIMONY~~ WAFERS

Hazardous Ingredient: ~~ANTIMONY~~ SILICON

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[1] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	00	41	365	R 1 4	6.3 / 6.4	2871	CAS No. if known: 7440360

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: WASTE CAUSTIC SOLUTION CONC

Hazardous Ingredient: SODIUM HYDROXIDE

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
[2] 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	00	00	365	A 1 4	8.0 / 6.3	1824	CAS No. if known: 1310732

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		CCD TANK	NA	C	30
☐	O	FAB2 FRWDG SUMP		CCD TANK	NA	N	30
☐	O	WWTP		CCD TANK	NA	SW	30
☐							
☐							

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number: 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE CHROMIC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	11	00	~~20~~ 21	365	C 1 4	8.0 / 6.1	1790	7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WST CHROMC MODL		SOUTH YARD	NA	C	11
☐							
☐							

Common Name or Trade Name: **WASTE CONC ACID SOLUTION**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1052	7664393

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWRD SUMP		S YARD	NA	C	30
☐	O	FAB2 FRWRD SUMP		S OF CFB	NA	S	30
☐	O	WWTP		WWTP FAB 2 SIDE	NA	E	30
☐							
☐							

Common Name or Trade Name: **WASTE OIL**

Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	00	20	365	A 1 4 / D 1 4	4.5 / 6.4	9277	64742547

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG		HAZMAT WASTE	BAY 3	E	04
☒	I	FAB 1	B	GROWING BSMT	A001	W	04
☐	I	VARIOUS		NA	NA	V	03

1457

SCOEPA00051609

Chemical Form

2004 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Numbe 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE OIL**

Delete							
☐	[1]	[FAB 1]	[1]	[MAINTENANCE]	[H120]	[E]	[04]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: **WASTE ORGANIC WASTE WATER**

Hazardous Ingredient: **ORGANICS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	00	00	365	A 1 4 / B 1 4	9.0		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 2 FRWDG SUM		NORTH OF CFB	NA	N	21
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

Common Name or Trade Name: **WASTE WAX**

Hazardous Ingredient: **PARRAFIN WAX**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	10	10	00	21	365	D 1 4	3.2		CAS No. if known 8002742

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG	1	HAZMAT WASTE	BAY 3	E	10
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WASTE WEAK ACID SOLUTION**

Hazardous Ingredient: NITRIC ACID

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1789	CAS No. if known ~~7647010~~

SCOEPA00051610

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE WEAK ACID SOLUTION**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWDG SUMP		SOUTH YARD	NA	C	21
☐	O	FAB2 FRWDG SUMP		SOUTH OF CFB	NA	N	21
☐	O	WWTP		FAB 2 SIDE	NA	N	21
☐							
☐							

Common Name or Trade Name: **WASTE WIRE SAW SLURRY**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	~~FAB 1~~ FAB 2	1	SUBFAB MFG	6D103	NW	10
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-NEW**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA If known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	11
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	10
☐							
☐							

Chemical Form

2004
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WIRE SAW SLURRY-RECYCLED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MSW SLURRY PREP	6D115	NW	11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	11
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-USED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265718

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	11
☐							
☐							

Chemical Form

2004

OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: [redacted]

Hazardous Ingredient: [redacted]

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☐ 1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
☐	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
☐	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Common Name or Trade Name: SPENT ACID

Hazardous Ingredient: NITRIC ACID

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
	2	[redacted]	20	20	0	7	365	[redacted]	8.0	2031	7697-37-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2 FORWARD SUMP	NA	S. of CFB	NA	C	20
☐	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
☐	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

Common Name or Trade Name: SODIUM HYPOCHLORITE

Hazardous Ingredient: [redacted]

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
	2	2	04	04	10	0	365	N 1 4	8.0	1791	7681529

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]
☐	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]	[redacted]

1481

SCOEPA00051613

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2003

Facility ID Number: 005268

2003
OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- [X] YES [ ] NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- [X] YES [ ] NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey period?
- [X] YES [ ] NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- [X] YES [ ] NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. NAICS CODE 1: DEFINITION:
2. NAICS CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: MFG OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. MANAGER'S NAME: DENNIS NETSCH
6. SEND TO ATTENTION OF: BRIAN BAILEY
7. E-MAIL ADDRESS: ~~BRIAN_BAILEY@SILTRONIC.COM~~ brian.bailey@wacker.com
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: 1600
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: BRIAN BAILEY
15. EMERGENCY CONTACT PHONES: DAY: 503-219-7801 NIGHT: 360-750-5777
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. [X] YES [ ] NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Health and Safety office
18. [X] YES [ ] NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. [ ] YES [X] NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. [X] YES [ ] NO ARE OTHER TYPES OF PLACARDS USED?

BRIAN BAILEY
WACKER SILTRONIC CORP

7200 NW FRONT AVE
PORTLAND, OR 97210

SECTION C PERSON COMPLETING FORM

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: Brian Bailey
2. SIGNATURE: Brian Bailey
3. Date: 11-16-03 Phone: 360-750-5777 Ext:

For office use only: R___ F___ DE __/__ C___

1632

SCOEPA00051614

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABC DRY CHEMICAL**

Hazardous Ingredient: **MONOAMMONIUM PHOSPHATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	00	00	365	R 2	6.3	1044	CAS No. if known: 7722-76-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	20
☐	O	VARIOUS		NA	NA	V	10
☐							
☐							

Common Name or Trade Name: ~~**ABRASIVE ALUMINUM OXIDE**~~ [Abrasive Aluminum Oxide Solution]

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
~~1~~ 2	~~1~~ 2	~~21~~ 20	21	~~40~~ 31	~~40~~ 0	365	~~E 1 4~~ C 1 4 / K 1 4	9.0		CAS No. if known: 1344-28-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LAPPING	~~A103~~ C105	W	10
☐	~~I~~	~~FAB 1~~ NEW ENTRY	1	~~WHSE~~	~~I103~~	~~SE~~	~~21~~
☐	I	FAB 2		NA	NA	V	03
☐	I	FAB 2	1	LAPPING	6D108	C	20
☐							
☐							

Common Name or Trade Name: **ABRASIVE POWDER**

Hazardous Ingredient: **SILICON CARBIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	~~21~~ 20	~~21~~ 20	~~42~~ 40	~~42~~ 0	365	E 1 4 / K 1 4	9.0		CAS No. if known: 409-21-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLICING	C111	C	20

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABRASIVE POWDER** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	SLURRY PREP	6D115	C	11
☐							
☐							

Common Name or Trade Name: **ACETIC ACID 35%** [ ]

Hazardous Ingredient: **ACETIC ACID** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	11	~~21~~ 20	00	365	N 1 4 / E 1 4	8.0 / 6.3	2789	64-19-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	BULK ACID STRG	NA	NW	10
☐	I	FAB 2	1	SUBFAB MFG	6D103	C	04
☐	I	VARIOUS	1	NA	NA	V	04
☐							
☐							

Common Name or Trade Name: **ACETYLENE** [ ]

Hazardous Ingredient: **ACETYLENE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	~~10~~ 11	10	11	00	365	L 2 4	2.1 / 6.3	1001	74-86-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MAINT SHOP	D121LT	S	10
☐	I	FAB 1	1	WELDING SHOP	H121	S	10
☐		Various	1	NA	NA	V	10
☐							

1634

SCOEPA00051616

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ACTIVATED CARBON** [ ]

Hazardous Ingredient: **CARBON** [ ]

	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☒ No Longer Reportable											
☐ 112R											
☐ EHS											
☐ PSM											
[1] 1-Pure 2-Mixture [ ]	1	1	21	30	30	00	365	J 1 4 / A 1 4	4.5	1362	7440-44-0

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	I	CFB	1	UPW	A105	E	30
Delete ☐							
Delete ☐							

Common Name or Trade Name: ~~AJW1FC-3, FUJIMI, EDGE MIRROR~~ [Polishing Slurry]

Hazardous Ingredient: **SILICON DIOXIDE** [ ]

	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☐ No Longer Reportable											
☐ 112R											
☐ EHS											
☐ PSM											
[2] 1-Pure 2-Mixture [ ]	2	2	20	30	40	00	365	E 1 4 / J 1 4	9.0	1346	7631-86-9

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	I	FAB 1	1	GROWING WHSE	A109	W	10
Delete ☐	I	FAB 1	1	MWS SLURRY PREP	L117	NW	11
Delete ☐	I	FAB 1	1	NA	NA	V	03
Delete ☐	I	FAB 1	1	POLISHING	E102	N	04
Delete ☐	I	FAB 1	1	POLISHINGRETURN	E101	N	04
Delete ☐	I	FAB 1	1	SLURRY PREP	F103	S	10
Delete ☐	I	FAB 1	1	WET BLAST	C132A	C	04
Delete ☐	I	FAB 1	1	WHSE	I103	SE	20
Delete ☐	I	FAB 2	1	NA	NA	V	03
Delete ☐	I	FAB 2	1	PROCESS SUPPORT	6D118	N	21
Delete ☐	I	FAB 2	2	POLISHING CHASE	6D239	C	10
Delete ☐	I	FAB 2	2	POLISHING CHASE	6D241	C	10
Delete ☐	I	FAB 2	2	POLISHING CHASE	6D245	C	04
Delete ☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **AJW1FC-3, FUJIMI, EDGE MIRROR**

Delete ☐

Common Name or Trade Name: **ALUMINUM CHLOROHYDRATE 50%**

Hazardous Ingredient: **POLY ALUMINUM CHLORIDE, HYDRATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	30	00	365	O 1 4 / C 1 4	9.0	3264	CAS No. if known: 1327-41-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	W	20
☐							
☐							

Common Name or Trade Name: **AMMONIUM HYDROXIDE 30%**

Hazardous Ingredient: **AMMONIUM HYDROXIDE**

☐ No Longer Reportable
☒ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	30	00	365	N 1 4 / E 1 4	8.0 / 6.3	2672	CAS No. if known: 1336-21-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	SLURRY PREP	F105	S	04
☐	I	HAZMAT	1	NA	NA	SW	04
☐	D	FAB 1	1	Delivery module	NA	SW	04
☐							

Common Name or Trade Name: **ANTIFOAM SAG 795, 710**

Hazardous Ingredient: **POLYDIMETHYL SILOXANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	~~11~~ 10	~~11~~ 10	21	00	365	O 1 4 / E 1 4	9.0		CAS No. if known: 63148-62-9

1636

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ANTIFOAM SAG 795, 710** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I 103	SE	11
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	WWTP	1	NA	NA	W	11
☐							
☐							

Common Name or Trade Name: **ANTIFREEZE** [ ]

Hazardous Ingredient: **ETHYLENE GLYCOL** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	00	365	D 1 4	6.3	3082	107-21-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	L117	N	04
☐							
☐							

Common Name or Trade Name: **ARGON 80%/HELIUM 20%** [ ]

Hazardous Ingredient: **ARGON** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	20	20	30	~~20~~ 00	365	L 2 4	2.2	1006	7440-37-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐	I	FAB 2	1	EPI GASES	6C102	NW	20
☐	I	VARIOUS	1	NA	NA	V	10
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARGON LIQUID**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	31	00	365	A 2 7	2.2	1951	CAS No. if known: 7440-37-1
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX		NA	NA	W	30
☐							
☐							

Common Name or Trade Name: **ARGON**

Hazardous Ingredient: **ARGON**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	20	365	L 2 4	2.2	1006	CAS No. if known: 7440-37-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	I	FAB 1 TCS	1	TCS BUNKER	NA	E	20
☐	I	VARIOUS		NA	NA	V	11
☐							
☐							

Common Name or Trade Name: **ARSINE 10 PPM IN HYDROGEN**

Hazardous Ingredient: **ARSINE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 2-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	10	02	365	L 2 4	2.3	2188	CAS No. if known: 7784-42-1
								2.1		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPENT STRG	1	FAB 1 S YARD	NA	S	10
☐	I	FAB 1	2	HPM ROOM	K206	S	10
☐	I	FAB 1	2	HPM ROOM	K213	S	10

1638

SCOEPA00051620

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARSINE 10 PPM IN HYDROGEN** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	2	HPM ROOMS	K203	S	10
☐							
☐							

Common Name or Trade Name: **BIOCLEAN 103A, 107A, 511** [ ]

Hazardous Ingredient: **NITRILTRIACETIC ACID** [ ]

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	21	00	365	A 1 4 / R 1 4	6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	11
☐	I	FAB 1	1	RODI	F101	S	11
☐							
☐							

Common Name or Trade Name: **CARBON DIOXIDE** [ ]

Hazardous Ingredient: **CARBON DIOXIDE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	10	20	20	02	365	L 2 4	2.2 / 6.3	1013	124-38-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **CHEROKEE RO 8000**

Hazardous Ingredient: **PETROLEUM DISTILLATE**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	D 1 4	6.3		CAS No. if known: 64742-47-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	V	04
☐							
☐							

Common Name or Trade Name: **CHROMIC ACID SOLUTION**

Hazardous Ingredient: **CHROMIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	~~20~~ 04	~~20~~ 04	~~11~~ 10	00	365	C 1 4	8.0	1755	CAS No. if known: 11115-74-5

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHROMIC DELIVRY	A 131	W	04
☐	I	FAB 1	1	CHROMIC ETCH RM	A 122	W	03
☐	I	~~NEW CHROME SHED~~ New Entry (WASTECHEM)	1	S YARD	NA	C	20
☐							
☐							

Common Name or Trade Name: **CITRIC ACID**

Hazardous Ingredient: **CITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	30	00	365	N 1 4	6.3	1759	CAS No. if known: 77-92-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	FINEGRIT LAPPNG	C 105	W	11
☐	I	FAB 1	1	WHSE	I102	W	11
☐	I	FAB 2	1	LAP SLURRY PREP	6D108	SE	04

1640

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: CITRIC ACID

Delete							
☐							
☐							

Common Name or Trade Name: ~~CONC. ACID WASTEWATER~~ [WASTE - CONC. ACID Solution]

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1052	CAS No. if known: 7664-39-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB1 FRWRD SUMP		S YARD	NA	C	30
☐	O	FAB2 FRWRD SUMP		S OF CFB	NA	S	30
☐	O	WWTP		WWTP FAB 2 SIDE	NA	E	30
☐							
☐							

Common Name or Trade Name: **CRL 80**

Hazardous Ingredient: **CYCLOHEXYLAMINE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	10	00	365	C 1 4 / E 1 4	8.0 / 6.3		CAS No. if known: 108-91-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

Common Name or Trade Name: **DETERGENT Q-9**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	20	30	00	365	E 1 4 / C 1 4	8.0	1814	CAS No. if known: 1310-58-3

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DETERGENT Q-9**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	04
☐	I	FAB 1	1	FINEGRIT LAPPIN	C105A	W	04
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	10
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	BASES ROOM	6C106	NE	04
☐	I	FAB 2	1	NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **DEVEL A**

Hazardous Ingredient: **ORTHO SODIUM SILICATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	11	20	00	365	N 1 4	9.0		1344-09-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	02
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	2	NA	NA	V	02
☐							
☐							

Common Name or Trade Name: **DIBORANE 25-1000 PPM IN HYDROGEN**

Hazardous Ingredient: **DIBORANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	21	30	30	11	365	L 2 4	2.1	1911	19287-45-7

1642

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DIBORANE 25-1000 PPM IN HYDROGEN**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	~~I~~ O	~~FAB 1~~ DOPANT STR FAB	1	DOPANT STRG FUL	NA	C	20
☐	I	FAB 1	2	2ND FLR EPI	NA	S	20
☐	I	FAB 2	1	EPI GASES	6C102	E	20
☐							
☐							

Common Name or Trade Name: **DIESEL**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	20	00	365	C 1 4	3.3 / 6.3	1202	CAS No. if known: 68476-34-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	GENERATOR ROOM	A107	S	11
☐	I	CUB	1	GENERATOR ROOM	NA	NW	11
☐							
☐							

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	31	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	NW	04
☐	I	FAB 1	1	PLATE PREP	C120/121	N	04
☐	I	FAB 1	1	SLICING	C111	N	11
☐	I	FAB 1	1	WHSE	I103	SE	11
☐	I	FAB 2	1	MWS SLURRY	6D115	NW	04

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Delete								
☐								
☐								

Common Name or Trade Name: **DOWFROST GLYCOL**

Hazardous Ingredient: **PROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	04	00	365	R 1 4 / D 1 4	9.0		CAS No. if known: 57-55-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	04
☐	I	FAB 2	2	CHILLING LOOP	NA	V	10
☐							
☐							

Common Name or Trade Name: **ETCHING SOLUTIONS**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	04	00	365	R 1 4	8.0 / 6.3		CAS No. if known: 7697-37-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	04
☐	I	FAB 1	1	ACID ETCH	A130	W	~~03~~ 04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: **ETHYLENE GLYCOL**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	~~20~~ 10	~~20~~ 10	~~10~~ 11	00	365	D 1 4 / R 1 4	6.3 / 6.4	3082	CAS No. if known: 107-21-1

1644

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ETHYLENE GLYCOL**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHILLING LOOP	NA	V	04
☐	~~I~~	~~FAB 1~~	~~1~~	~~PLATE PREP~~	C121	N	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: **FILTERMATE C150 POLYMER**

Hazardous Ingredient: **POLYMERIC**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	20	11	00	365	E 1 4	9.0		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	10
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **GASOLINE**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	D 1 4	3.1 6.3	1203	CAS No. if known 8006-61-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **GRO PRO**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4 / R 1 4	9.0	1813	CAS No. if known: 1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A104	W	11
☐	I	FAB 1	1	NA	NA	V	03
☐	I	FAB 1	1	WAREHOUSE	I103	SE	04
☐							

Common Name or Trade Name: **HELIUM**

Hazardous Ingredient: **HELIUM**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	~~20~~ 00	365	L 2 4	2.2	1046	CAS No. if known: 7440-59-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	20
☐							
☐							

Common Name or Trade Name: **HYDROCHLORIC ACID 31-37%**

Hazardous Ingredient: **HYDROCHLORIC ACID**

☐ No Longer Reportable ☒ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	30	21	00	365	E 1 4 / C 1 4	8.0 / 6.3	1789	CAS No. if known: 7647-01-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	ACID STRG	BAY 1	NW	~~11~~ 20
☐	I	FAB 1	1	CHEM DELIVERY	E142	NE	04
☐	I	FAB 1	1	CHEM STRG	K132	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04

1646

SCOEPA00051628

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: HYDROCHLORIC ACID 31-37%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	2	CELL 8	6D232	NE	04
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	O	CFB		ACID TANK	NA	NE	21
☐	I	CFB	1	UPW	A105	NE	10
☐							

Common Name or Trade Name: **HYDROFLUORIC ACID 48%-50%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☒ 112R
☐ EHS
☐ PSM
2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	30	00	365	E 1 4 / A 1 4	8.0 / 6.1	1790	CAS No. if known: 7664-39-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1		~~CHEM STRG~~ BULK CHEM DELIV	K132	SE	04
☐	I	FAB 1	1	~~CHEM STRG~~ BULK CHEM DELIV	E142	N	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C104	NE	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	20
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐							
☐							

Common Name or Trade Name: **HYDROFLUORIC ACID 60%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ No Longer Reportable
☒ 112R
☐ EHS
☐ PSM
2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	21	~~21~~ 30	00	92	A 1 4 / C 1 4	6.1 / 8.0	1790	CAS No. if known: 7664-39-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	CELL 4	6B110	W	03
☐	O	FAB 2 BULK CHEM		HF/NNO3 PAD	NA	S	20

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROFLUORIC ACID 60%**

Delete							
☐							
☐							

Common Name or Trade Name: **HYDROGEN CHLORIDE**

Hazardous Ingredient: **HYDROGEN CHLORIDE**

☐ No Longer Reportable
☐ 112R
☒ EHS
☐ PSM
1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	~~40~~ 30	~~40~~ 30	~~50~~ 41	~~31~~ 20	365	L 2 4	2.2	1050	CAS No. if known: 7647-01-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	~~31~~ 30
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	SE	~~30~~ 20
☐	I	FAB 1	2	HPM ROOMS	K206	SE	~~30~~ 20
☐	I	FAB 2	1	EPI GASES	C 6102	NW	20
☐							

Common Name or Trade Name: **HYDROGEN LIQUID**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☒ 112R
☐ EHS
☒ PSM
1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	43	00	365	A 2 7	2.1	1966	CAS No. if known: 1333-74-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		HYDROGEN PAD	NA	C	30
☐							
☐							

Common Name or Trade Name: **HYDROGEN PEROXIDE 30%**

Hazardous Ingredient: **HYDROGEN PEROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 5749-7
2	2	20	30	30	00	365	N 1 4 / E 1 4	5.1 / 8.0	2014	CAS No. if known: 7722-84-1

1648

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN PEROXIDE 30%** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	CHEM DELIVERY	K130	SE	04
☐	I	FAB 1	1	~~CHEM STRG~~ chem delivery	E141	NE	04
☐	I	FAB 2	1	~~CHEM STRG~~ chem delivery	6C109	NE	04
☐	I	FAB1 BULK STRG	1	TMAH STRG	~~BAT6~~ BAY 6	SW	20
☐	I	HAZMAT	1	PEROXIDE SIDE	NA	W	04
☐	O	FAB 1	1	Delivery Module	NA	W	04
☐							

Common Name or Trade Name: ~~**HYPERSPERSE AF 150 ANTISCALENT**~~ [VITEC 3000]

Hazardous Ingredient: **PROPRIETARY** [ ]

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	11	00	365	E 1 4	9.0		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	~~I~~	~~CFB~~	~~1~~	~~UPW~~	~~A105~~	~~E~~	~~10~~
☐	I	FAB 1	1	WHSE	I103	SE	~~10~~ 04
☐	I	FAB 1	1	RODI	F101	S	04
☐							

Common Name or Trade Name: **INERGEN** [ ]

Hazardous Ingredient: **NITROGEN** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	30	30	00	00	365	L 2 4	2.2		CAS No. if known: 7727-37-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	ADMIN	1	COMPUTER ROOM	NA	C	21
☐	I	FAB 1	1	COMPUTER ROOM	D119	C	20

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **INERGEN**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	COMPUTER ROOM	6A137	S	20
☐							
☐							

Common Name or Trade Name: **INHIBITOR 34**

Hazardous Ingredient: **SODIUM NITRITE**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	00	365	R 1 4	9.0	1760	7632-00-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLER	A104	W	04
☐							
☐							

Common Name or Trade Name: **INTEGRITY FLOOR FINISH**

Hazardous Ingredient: **METHOXY DIPROPYLENE GLYCOL**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	10	00	365	D 1 4	6.3		34590-94-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SOLVENTS ROOM	D125	S	04
☐							
☐							

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	00	00	365	N 1 4	3.2 / 6.3	1219	67-63-0

1650

SCOEPA00051632

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	NA	NA	V	00
☐	I	FAB 2	1	NA	NA	V	00
☐	I	FAB 2	2	NA	NA	V	00
☐							
☐							

Common Name or Trade Name: **ISOPROPYL ALCOHOL**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	D 1 4 / N 1 4	6.3	1219	CAS No. if known: 67-63-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	FLAMM STRG	BAY 3	E	~~04~~ 10
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	04
☐	I	FAB 2	1	SOLVENT ROOM	6C105	NE	04
☐							
☐							

Common Name or Trade Name: **KEMILIME**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	20	11	00	365	J 1 4	8.0 / 6.3	1910	CAS No. if known: 1305-62-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	NA	NA	V	20
☐							
☐							

1651

SCOEPA00051633

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LEAD ACID BATTERIES-WET**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	20	20	365	R 1 4	8.0	2800	CAS No. if known: 7664-93-9
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	ELECTRICAL	A106	SW	20
☐	I	FAB 1	1	ELECTRICAL	A102	W	20
☐	I	FAB 1	1	ELECTRICAL	H115	SE	20
☐	I	FAB 1	1	ELECTRICAL	L116	NW	20
☐	I	FAB 2	1	BATTERY ROOM	6B109	NW	20
☐							
☐							

Common Name or Trade Name: **LIME SOLUTION**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	A 1 4	8.0		CAS No. if known: 1305-62-0
							C 1 4	6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		DAY TANK	NA	E	21
☐							
☐							

Common Name or Trade Name: **LIME**

Hazardous Ingredient: **CALCIUM OXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	50	00	365	A 1 4	6.3	1910	CAS No. if known: 1305-78-8
							C 1 4			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		LIME SILO	NA	NW	30

1652

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LIME**

Delete								
☐								
☐								

Common Name or Trade Name: **LUTENSOL AP 10**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	~~04~~ 10	10	20	00	365	C 1 4 / E 1 4	6.3		CAS No. if known: 68412-54-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 1		Solvent Storage	D125	S	04
☐							

Common Name or Trade Name: ~~NCT-2 & NCT-3~~ NCT-3

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	11	00	365	E 1 4 / R 1 4	8.0 / 6.3	1824	CAS No. if known: 1310-73-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	NA	NA	S	11
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	FAB1	1	~~E~~ Slurry Prep	F105	S	04
☐							

Common Name or Trade Name: **NITRIC ACID 70%**

Hazardous Ingredient: **NITRIC ACID**

☐ No Longer Reportable
☐ 112R
☒ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	~~30~~ 21	~~30~~ 21	~~50~~ 40	00	365	D 1 4 / A 1 4	6.3 / 8.0	2031	CAS No. if known: 7697-37-2

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITRIC ACID 70%** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	BCD	K131	SW	04
☐	I	FAB1 BULK CHEM	1	ACID STRG	BAY 1	NW	21
☐	O	FAB2 BULK CHEM		HF/HNO3 PAD	NA	S	21
☐							
☐							

Common Name or Trade Name: **NITROGEN CRYOGENIC** [ ]

Hazardous Ingredient: **NITROGEN** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	30	40	00	365	S 2 7	6.3	1977	CAS No. if known: 7727-37-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	BULK CRYO TANK		NITROGEN PAD	NA	C	30
☐							
☐							

Common Name or Trade Name: **NITROGEN TRIFLUORIDE** [ ]

Hazardous Ingredient: **NITROGEN TRIFLUORIDE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	10	10	00	365	L 2 4	5.1	2451	CAS No. if known: 7783-54-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	EPI GASES	C6102	NW	10
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	10
☐							
☐							

SCOEPA00051636

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITROGEN**

Hazardous Ingredient: **NITROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	31	31	40	~~21~~ 00	365	L 2 4	2.2	1066	7727-37-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOMS	K203	S	20
☐	I	FAB 1	2	HPM ROOMS	K206	S	30
☐	I	FAB 1	2	HPM ROOMS	K213	S	20
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	30
☐	1	FAB 2 ~~M~~	1	~~E~~ GASES ROOM	6C102	NW	20
☐							

Common Name or Trade Name: **NOVA CLEAN**

Hazardous Ingredient: **SURFACTANT**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	10	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	2	LUNCH ROOM	6A206	SE	04
☐							
☐							

Common Name or Trade Name: **OILS**

Hazardous Ingredient: **PETROLEUM HYDROCARBON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	20	00	365	N 1 4 / A 1 4	4.5 / 6.3	1270	34704-352 / 64742-54-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	CHILLERS	A104	W	04

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OILS** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CUB	1	NA	NA	V	03
☐	I	CUB	1	NA	NA	W	04
☐	I	FAB 1	1	FAC MAINT SHOP	H123	SE	04
☐	I	FAB 1	1	FAC MAINT SHOP	H125	SE	04
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐	I	FAB 1	1	METALS FAB	H117	SE	04
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	04
☐	I	FAB 1	1	POLISH SERV LOT	E109	NW	10
☐	I	FAB 1	1	POLISH SERV LOT	E109A	NW	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐	I	FAB 1	B	GROWING BSMT	A001	W	10
☐	I	FAB 2	1	BULK CHEM DELIV	C6105	NE	04
☐	I	FAB1 BULK CHEM	1	SOLVENT STRG	BAY 3	E	10
☐							
☐							

Common Name or Trade Name: **OXYGEN LIQUID** [ ]

Hazardous Ingredient: **OXYGEN** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	10	10	20	00	365	L 2 7	2.2	1073	[ ]
								5.1		CAS No. if known: 7782-44-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	FAB 1		O2 STATION	NA	W	10
☐	O	FAB 2		O2 STATION	NA	NW	10
☐							
☐							

1656

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2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OXYGEN**

Hazardous Ingredient: **OXYGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	20	~~04~~ 00	365	L 2 4	2.2 / 5.1	1072	CAS No. if known: 7782-44-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	METALS FAB	H117	SE	10
☐	I	FAB 1	1	WELDING	H121	SE	11
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	O	FAB 1		MAINT LEANTO	D121LT	NW	11
☐							
☐							

Common Name or Trade Name: **PETROLEUM GREASES MISC.**

Hazardous Ingredient: **HEAVY NAPHTHENIC DISTILLATES**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	1	10	11	20	00	365	E 1 4 / R 1 4	4.5 / 6.4		CAS No. if known:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB		NA	NA	V	03
☐	I	FAB 1		NA	NA	V	03
☐	I	FAB 2		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **PHOSPHINE 5-999 PPM IN HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	21	30	11	365	L 2 4	2.3 / 2.1	2199	CAS No. if known: 1333-74-0

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PHOSPHINE 5-999 PPM IN HYDROGEN**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	DOPANT STRG	1	S OF FAB 1	NA	C	21
☐	I	FAB 1	1	LOWER HPM ROOM	F126	SE	20
☐	I	FAB 1	2	HPM ROOM	K203	SE	20
☐	I	FAB 1	2	HPM ROOM	K206	SE	20
☐	I	FAB 1	2	HPM ROOM	K216	SE	11
☐	I	FAB 2	1	EPI GASES	6C102	NW	11
☐							
☐							

Common Name or Trade Name: **POLYTREAT 3**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	11	00	365	E 1 4 / N 1 4	6.3	1814	CAS No. if known: 1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A101	NW	10
☐							
☐							

Common Name or Trade Name: **POTASSIUM CARBONATE**

Hazardous Ingredient: **POTASSIUM CARBONATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	J 1 4	6.3		CAS No. if known: 584-08-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	F103	S	11
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							

1658

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2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM CARBONATE**

Delete ☐

Common Name or Trade Name: **POTASSIUM DICHROMATE SOLUTION**

Hazardous Ingredient: **POTASSIUM DICHROMATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. (if known)
2	2	04	04	10	00	365	C 1 4 / N 1 4	6.1 / 8.0	3289	7778-50-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	~~ACID ETCH~~ Chrome Delivery RM	A131	W	04
☐							
☐							

Common Name or Trade Name: **POTASSIUM HYDROXIDE SOLN**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. (if known)
2	2	04	04	00	00	365	C 1 4	8.0 / 6.3	1814	1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	ACID ETCH	A130	NW	~~03~~ 04
☐	I	FAB 2	1	ACID ETCH	6B105	SW	~~03~~ 04
☐							
☐							

Common Name or Trade Name: **POTASSIUM HYDROXIDE**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State (Use Table I)	Units of Measure (Use Table II)	Avg Amt Code (Use Table III)	Max Amt Code (Use Table III)	Amt IN Code (Use Table III)	Amt OUT Code (Use Table III)	No Days On Site (3 digits)	Storage Code (Use Table IV & V)	Hazard Class (Table VI)	UN/NA (if known)	EPA Pesticide Registration No: / CAS No. (if known)
1	1	20	20	41	00	365	I 1 4 / J 1 4	8.0 / 6.3	1813	1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max (Use Table III)
☐	I	FAB 1	1	POSTLAP CAUSTIC	C132	W	11

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2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM HYDROXIDE** [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	ACID ETCH CHASE	6B110	W	04
☐							
☐							

Common Name or Trade Name: **PROPANE** [ ]

Hazardous Ingredient: **PROPANE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	11	20	20	00	365	L 2 6	6.3	1075	CAS No. if known: 74-98-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	CUB		~~OUT GENERATR RM~~	NA	W	11
☐	O	FAB 1		OUTSIDE WHSE	NA	SE	11
☐							
☐							

Common Name or Trade Name: **PROPYLENE GLYCOL** [ ]

Hazardous Ingredient: **PROPYLENE GLYCOL** [ ]

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	11	00	365	D 1 4	6.3		CAS No. if known: 57-55-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	CHILLERS	A104	W	10
☐							
☐							

1660

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2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **REFRIGERANT 22**

Hazardous Ingredient: **CHLORODIFLUOROMETHANE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	1	20	20	20	00	365	L 2 4	2.2	1018	CAS No. if known: 75-45-6
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2		NA	NA	V	04
☐	I	FAB1 BULK CHEM	1	CYLINDER STRG	BAY 5	SE	11
☐	I	HVAC SHED		S YARD	NA	S	20
☐							
☐							

Common Name or Trade Name: **RP TEAM**

Hazardous Ingredient: **DIETHANOLAMINE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	11	00	365	E 1 4	9.0		CAS No. if known: 111-42-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SLURRY PREP	D123	C	04
☐	I	FAB 1	1	WHSE	I103	SE	10
☐							
☐							

Common Name or Trade Name: **SAND FILTERS**

Hazardous Ingredient: **CRYSTALLINE SILICA**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	20	20	365	R 1 4	9.0		CAS No. if known: 14808-60-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	CFB		MULTIMEDIA TNKS	NA	E	20
☐	O	WWTP		FAB 1 SIDE	NA	W	20

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SAND FILTERS**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		FAB 2 SIDE	NA	E	20
☐							
☐							

Common Name or Trade Name: **SILANE**

Hazardous Ingredient: **SILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.1	2203	7803-62-5
								4.4		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SILANE BUNKER	NA	S	10
☐	I	FAB 2	1	SILANE BUNKER	NA	N	~~10~~ 11
☐							
☐							

Common Name or Trade Name: **SILICON HYPERPURE CHIPS**

Hazardous Ingredient: **SILICON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	~~30~~ 20	~~31~~ 30	00	365	K 1 4	6.3		7440-21-3
								6.4		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐							
☐							

1662

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2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SILICON INGOTS**

Hazardous Ingredient: **SILICON**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	~~00~~ 30	00	365	R 1 4	9.0		CAS No. if known: 7440-21-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: **SKYLIQUID WAX**

Hazardous Ingredient: **TOLUENE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	20	00	365	N 1 4	3.2		CAS No. if known: 108-88-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **SLUDGE-DEWATERED**

Hazardous Ingredient: **SILICON DIOXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure
☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	00	42	365	R 1 4	6.3	1346	CAS No. if known: 7631-86-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	WWTP	1	FILTER PRESS	NA	W	20
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SLUDGE** [ ]

Hazardous Ingredient: ~~**BIOSOLIDS**~~ Silicon dioxide [Silicon dioxide]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	00	42	365	A 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		HYDROCYCLONE	NA	SW	21
☐							
☐							

Common Name or Trade Name: **SODIUM CHLORITE 25%** [ ]

Hazardous Ingredient: **SODIUM CHLORITE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	20	00	365	C 1 4	6.3		9150-7-33003 / 7758-19-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	NOX	1	STORAGE TANK	NA	W	20
☐							
☐							

Common Name or Trade Name: ~~**SODIUM HYDROXIDE 25-50%**~~ [Sodium Hydroxide 2040 - 5040]

Hazardous Ingredient: **SODIUM HYDROXIDE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture [ ]

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	30	30	~~31~~ 30	00	365	A 1 4	6.3	1824	1310-73-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	BULK CHEM DELIV	E141	N	04
☐	I	FAB 1	1	CHEM STRG	K130	SE	10
☐	I	~~FAB 1~~ FAB	1	RODI	F101	S	10
☐	~~I~~	~~FAB 1~~ Duplicate	~~1~~	~~WHSE~~	~~I103~~	~~SE~~	~~10~~
☐	I	FAB 1	1	WHSE	I103	SE	11

1664

SCOEPA00051646

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM HYDROXIDE 25-50%**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	BULK CHEM DELIV	C6107	N	04
☐	O	CFB		BULK TANKS	NA	N	21
☐	O	NOX		TANK STRG	NA	W	21
☐	I	CFB		UPW	A105	W	10
☐	O	FAB 2		Emergency scrubber	NA	S	11

Common Name or Trade Name: **SODIUM HYPOCHLORITE SOLN**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	04	04	04	00	365	E 1 4 / R 1 4	5.1 / 8.0	1791	37982-20001-70	7681-52-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	BOILERS	A102	NE	04
☐	~~I~~	~~CFB~~	~~1~~	~~UPW~~	~~A105~~	~~E~~	~~04~~
☐							
☐							

Common Name or Trade Name: **SODIUM METABISULFITE SOLUTION**

Hazardous Ingredient: **SODIUM METABISULFITE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:	CAS No. if known
2	2	04	04	00	00	365	C 1 4	6.3			7681-57-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	~~04~~ 10
☐	I	FAB 1	1	RODI	F101	S	04
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM METABISULFITE** [ ]

Hazardous Ingredient: **SODIUM METABISULFITE** [ ]

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure [1] 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	04	04	20	00	365	J 1 4	6.3 / 6.4	2693	CAS No. if known: 7681-57-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	CFB	1	UPW	A105	E	04
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	FAB 1	1	WHSE	I103	SE	04
☐							
☐							

Common Name or Trade Name: ~~SODIUM SILICATE~~ [0.1 Sp.11 control]

Hazardous Ingredient: **SODIUM SILICATE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure [2] 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
~~2~~ 1	~~2~~ 1	~~11~~ 10	~~11~~ 10	~~11~~ 0	00	365	E 1 4	9.0	9188	CAS No. if known: 1344-09-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	~~O~~	~~OLD CHROME CHED~~		~~ERT SHED~~	NA	~~NW~~	~~11~~
☐	O	ERT SHED	1	NA	NA	C	10
☐							

Common Name or Trade Name: **SODIUM SULFIDE 10%** [ ]

Hazardous Ingredient: **SODIUM SULFIDE** [ ]

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure [2] 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	30	00	365	A 1 4 / C 1 4	8.0 / 6.3	1849	CAS No. if known: 1313-82-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	NOX	1	~~TANKS~~ TANKS INSIDE	NA	C	20
☐	O	NOX		TANKS OUTSIDE	NA	NW	20
☐							

SCOEPA00051648

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM SULFIDE 10%**

Delete ☐

Common Name or Trade Name: **STEPANOL AM**

Hazardous Ingredient: **ALKYL SULFATE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	ACID ETCH	A130	W	~~10~~ 04
☐	I	FAB 1	1	WHSE	I103	SE	~~04~~ 10
☐	I	FAB 2	1	ACID ETCH	6B105	SW	04
☐							
☐							

Common Name or Trade Name: **SULFURIC ACID 25%-70%**

Hazardous Ingredient: **SULFURIC ACID**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	30	00	365	N 1 4	6.3	1830	7664-93-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	RODI	F101	S	04
☐	O	NOX		TANK STRG	NA	W	11
☐	O	WWTP		FAB 1 SIDE	NA	SW	20
☐	O	WWTP		FAB 2 SIDE	NA	SW	~~20~~ 04
☐	I	FAB1 Bulk Chemical Storage		Acid Storage	BAT 1	SW	04
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SURFONIC N-95 CDM**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	10	00	365	D 1 4	6.3		9016-45-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	10
☐	I	FAB 2	1	PROCESS SUPPORT	6D118	C	10
☐							
☐							

Common Name or Trade Name: **TETRAMETHYLAMMONIUM HYDROXIDE**

Hazardous Ingredient: **TETRAMETHYLAMMONIUM HYDROXIDE**

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	30	00	365	E 1 4	8.0	1835	75-59-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 BULK CHEM	1	TMAH STRG	BAY 6	SW	10
☐	~~I~~	~~FAB 1~~ New Entry Automat Sdn.	~~1~~	~~CBS ROOM~~	~~E144~~	~~NE~~	~~21~~
☐	I	FAB 1	1	~~CHEM STRG~~ Chem Delivery	E141	NE	04
☐	I	FAB 1	1	~~CHEM STRG~~ Chem Delivery	K130	SE	04
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	~~I~~	~~FAB 2~~ New Entry Automat Sdn.	~~1~~	~~PROCESS SUPPORT~~	~~6D118~~	~~N~~	~~20~~
☐	I	FAB 2	2	DEWAX CHASE	6D249	C	04
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **TRICHLOROSILANE**

Hazardous Ingredient: **TRICHLOROSILANE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	20	20	30	~~21~~ 00	365	L 2 4	3.2 / 4.3	1295	CAS No. if known: 10025-78-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	TCS BUNKER	NA	C	04
☐	~~I~~	~~FAB 1~~	~~2~~	~~HPM ROOM~~	~~K203~~	~~SE~~	~~04~~
☐	~~I~~	~~FAB 1~~	~~2~~	~~HPM ROOM~~	~~K206~~	~~SE~~	~~04~~
☐	I	FAB 2	1	TCS AREA	6C101	NW	10
☐	I	FAB1 BULK CHEM	1	FLAMM STRG	BAY 3	E	11
☐							
☐							

Common Name or Trade Name: **TRIPLE POWER**

Hazardous Ingredient: **ALKYL POLYGLYCOSIDE SURFACTANT**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	D 1 4	8.0	3266	CAS No. if known: 110615-47-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SOLVENT ROOM	D125	S	04
☐							
☐							

Common Name or Trade Name: **VACUUM CLEANER DUST**

Hazardous Ingredient: **ANTIMONY TRIOXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	11	00	21	365	D 1 4	9.0		CAS No. if known: 1309-64-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	HOUSE VACUUM	A104	W	11

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VACUUM CLEANER DUST**

Delete								
☐								
☐								

Common Name or Trade Name: **VANWET 9N9**

Hazardous Ingredient: **NONYLPHENOL SURFACTANT**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	~~21~~ 11	~~21~~ 11	20	00	365	E 1 4	6.3		9016-45-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	CHEM ~~STRG~~ Delivery	E144	NE	~~21~~ 10
☐	I	FAB 1	1	SOLVENTS ROOM	D125	S	04
☐	I	FAB 1	1	WHSE	I103	SW	10
☐	I	FAB 2	1	BULK CHEM DELIV	6C106	NE	04
☐	I	FAB 2	1	PROCESSING SUPP	6D118	N	~~20~~ 11
☐	I	FAB 2	2	POLISHING	6D232	C	04
☐	I	FAB 2	2	POLISHING	6D236	C	04
☐	I	FAB 2	2	POLISHING	6D249	C	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **VARSOL 1**

Hazardous Ingredient: **STODDARD SOLVENT**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	00	365	C 1 4	3.3 6.4	1268	8052-41-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MACHINE SHOP	H120	SE	04
☐							

Chemical Form

2003 OREGON STATE FIRE MARSHAL Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: VARSOL 1

Delete ☐

Common Name or Trade Name: VECTOR HTR & HTS

Hazardous Ingredient: TRIETHANOLAMINE

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	21	00	365	C 1 4 / E 1 4	4.5 / 6.4		CAS No. if known: 102-71-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	WHSE	I103	SE	20
☐	I	FAB 2	1	LAPPING	6D104	C	04
☐	I	FAB 2	1	SOLVENTS ROOM	6C105	NE	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: WAFERS

Hazardous Ingredient: ~~GALLIUM ARSENIDE~~ Antimony

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	00	41	365	R 1 4	6.3 / 6.4		CAS No. if known: 1303-00-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	30
☐							
☐							

Common Name or Trade Name: WASTE ALCOHOL

Hazardous Ingredient: ISOPROPYL ALCOHOL

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 2 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	00	20	365	D 1 4	3.2	1219	CAS No. if known: 67-63-0

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE ALCOHOL**

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐		FAB 1 BULK CHEM	1	HAZMAT STRG	BAY 4	E	04
☐							
☐							

Common Name or Trade Name: **WASTE CAUSTIC SOLUTION CONC**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	00	00	365	A 1 4	8.0	1824	CAS No. if known: 1310-73-2
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	O	WWTP		CCD TANK	NA	SW	30
☐	O	FAB 1 FORWARDING SUMP		CCD TANK	NA	C	30
☐	O	FAB 2 Forwarding Sump		CCD TANK	NA	N	30

Common Name or Trade Name: **WASTE OIL**

Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	00	~~21~~	365	D 1 4	4.5	9189	CAS No. if known: 64742-54-7
								6.4		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG		HAZMAT WASTE	BAY 3	E	04
☐	I	FAB 1	B	GROWING BSMT	A001	W	04
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE SOLVENT**

Hazardous Ingredient: **PETROLEUM DISTILLATE**

☒ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	03	04	00	10	365	D 1 4	4.5	1993	CAS No. if known: 8052-41-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WASTE WAX**

Hazardous Ingredient: ~~**PARRAFIN WAX**~~ [Maleic Modified Rosin ester

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	1	10	10	00	21	365	D 1 4	3.2		CAS No. if known: 8002-74-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1 CHEM STRG	1	HAZMAT WASTE	BAY 3	E	10
☐	I	VARIOUS		NA	NA	V	03
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-NEW**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	~~1~~ 2	~~30~~ 11	~~30~~ 11	~~40~~ 00	00	365	R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	MWS SLURRY PREP	L117	N	~~21~~ 11
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	~~30~~ 11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	~~20~~ 10
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WIRE SAW SLURRY-NEW**

Delete							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-RECYCLED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	~~1~~ 2	~~30~~ 11	~~30~~ 11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MSW SLURRY PREP	6D115	NW	~~20~~ 11
☐	I	FAB 2	1	SUBFAB MFG	6D103	NW	~~20~~ 11
☐							
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-USED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	~~1~~ 2	~~30~~ 11	~~30~~ 11	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 2	1	MWS SLURRY PREP	6D115	NW	~~20~~ 11
☐							
☐							

Common Name or Trade Name: ~~**WIRE SAW SLURRY-WASTE**~~ [WASTE - Wire saw slurry]

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	00	~~10~~ 00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	I	FAB 1	1	SUBFAB MFG	6D103	NW	10

1674

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WIRE SAW SLURRY-WASTE** [ ]

Delete								
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete								
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Magnafloc 120 L

Hazardous Ingredient: Co polymer of Acrylamide: Sodium Acrylate

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	10	0	365	E 1 4	9.0		25085-02-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	WWTP	1	NA	NA	N	04
☐							
☐							

Common Name or Trade Name: ERKAMAR 3260

Hazardous Ingredient: Maleic modified rosin ester

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	10	11	20	0	365	K 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	FAB 1	1	WAREHOUSE	I103	SE	11
☐							
☐							

Common Name or Trade Name: Roquest 3000

Hazardous Ingredient: Cationic Polymer

☐ No Longer Reportable
☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	10	0	365	E 1 4			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	FAB 1	1	WAREHOUSE	I103	SE	04
☐	1	CFB	1	UPW	A105	E	04
☐							

SCOEPA00051658

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Automat Solution

Hazardous Ingredient: Tetramethyl Ammonium Hydroxide

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	0	0	365	C 1 4	8.0	1835	75-59-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	FAB 1	1	CBS Room	E144	NE	11
☐							
☐							

Common Name or Trade Name: Vanwet 9N9 Solution

Hazardous Ingredient: Nonylphenol Surfactant

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	0	0	365	C 1 4	6.3		9016-45-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	FAB 1	1	Chemical Delivery	E144	NE	11
☐	1	FAB 2	1	Processing Supply	6D118	N	11
☐							

Common Name or Trade Name: Cimtech 95

Hazardous Ingredient: Triethanolamine

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	00	365	D 1 4	4.5		102-71-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	FAB 1	1	machine shop	H120	SE	04
☐							
☐							

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Nitrous Oxide [ ]

Hazardous Ingredient: Nitrous Oxide [ ]

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture	[3]	[3]	[30]	[30]	[21]	[00]	[365]	[L][2][4]	[2.2]	[1070]	[10024-97-2]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[O]	[N_2O PAD]	[NA]	[N_2O PAD]	[N/A]	[N]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: Hydrogen Gas, Purity + Dopant [ ]

Hazardous Ingredient: Hydrogen Gas [ ]

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture	[3]	[3]	[21]	[30]	[30]	[00]	[365]	[K][2][4]	[2.1]	[1049]	[1333-74-0]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[1]	[FAB 1]	[2]	[HPM Room]	[K 206]	[SE]	[20]
☐	[1]	[FAB 1]	[2]	[HPM Room]	[K 213]	[SE]	[20]
☐	[1]	[FAB 2]	[1]	[EPI GASES]	[6C102]	[NW]	[20]

Common Name or Trade Name: WASTE - Organic Wastewater [ ]

Hazardous Ingredient: Organics, N.O.S. [ ]

No Longer Reportable	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture	[2]	[2]	[30]	[30]	[0]	[0]	[365]	[A][1][4]	[9.0]	[ ]	[ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[O]	[WWTP]	[NA]	[FAB 2 side]	[NA]	[N]	[21]
☐	[O]	[FAB 1 Forwarding Sump]	[NA]	[South YARD]	[NA]	[C]	[21]
☐	[O]	[FAB 2 Forwarding Sump]	[NA]	[North of CFB]	[NA]	[N]	[21]

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Waste - Chromic Acid Soln. [ ]

Hazardous Ingredient: HF [ ]

	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture	[2]	[2]	[11]	[11]	[0]	[12]	[365]	[C][1][4]	[8.0]	[1790]	[7664-39-3]

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	[I]	[Waste Chrome Module]	[NA]	[South Yard]	[NA]	[C]	[11]
Delete ☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete ☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: Waste - weak acid solution [ ]

Hazardous Ingredient: [ ]

	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture	[2]	[2]	[40]	[40]	[00]	[00]	[365]	[B][1][4]	[6.0]	1789 ~~1760~~	[7647-01-0]

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	[O]	[FAB 1 Forwading Sump]	[ ]	[South Yard]	[NA]	[C]	[21]
Delete ☐	[O]	[FAB 2 Forwarding-Sump]	[ ]	[South of CFB]	[NA]	[N]	[21]
Delete ☐	[O]	[WWTP]	[ ]	[FAB 2 side]	[NA]	[N]	[21]

Common Name or Trade Name: Abrasive Aluminum Oxide [ ]

Hazardous Ingredient: Aluminum Oxide [ ]

	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture	[1]	[1]	[20]	[20]	[21]	[0]	[365]	[E][1][H]	[9.0]	[ ]	[13 44-28-1]

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
Delete ☐	[1]	[FAB 1]	[1]	[Warehouse]	[I 103]	[SE]	[20]
Delete ☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
Delete ☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Chemical Form

2003
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Ambersjet UP 4000 [ ]

Hazardous Ingredient: Quat Amine divinylbenzene/styrene copolymere [ ]

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
[1]	[1]	[1]	[11]	[11]	[11]	[0]	[365]	[C][1][4]	[ ]	[ ]	[9017-79-2]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[CFB]	[1]	[Various]	[NA]	[E]	[04]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: ~~Ferrsit~~ Ferasil [ ]

Hazardous Ingredient: Organic Acids [ ]

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
[2]	[2]	[2]	[11]	[20]	[20]	[0]	[365]	[R][1][4]	[8.0]	[ ]	[ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[1]	[Various]	[NA]	[NA]	[NA]	[NA]	[03]
☐	[1]	[FAB1]	[1]	[WAREHOUSE]	[I103]	[SE]	[11]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

Hazardous Ingredient: [ ]

☐ No Longer Reportable ☐ 112R ☐ EHS ☐ PSM ☐ 1-Pure 2-Mixture	Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ]	[ ]	[ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Location Form

2003
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Number
005268

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: Hydrogen GAS, purity + Dopant

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table II
☐	1	Dopant Storage	1	S of FAB 1	NA	C	21
☒	~~1~~	~~Lower HPM Room~~	~~1~~	~~F126~~			
☐	1	FAB 1	1	Lower HPM Room	F126	SE	20
☐	1	FAB1	2	HPM Room	K 203	SE	20

Common Name or Trade Name: Hydrogen GAS, Purity + dopant

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐	1	FAB 1 Bulk chem		Cylinder STRG ~~ALA~~	BAT 5	SE	11
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐							
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Loc Max Use Table III
☐							
☐							
☐							

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: November 30, 2002

Facility ID Number
005268

2002
OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Cross off the old or incorrect information and type or print changes or additions in the [bracketed] areas.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- ☑ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?
- ☑ YES ☐ NO 2. Were Extremely Hazardous Substances (EHS) present at this site at or above the threshold planning quantities during this survey perio
- ☒ YES ☐ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- ☐ YES ☒ NO 4. Is this facility subject to the Process Safety Management (PSM) requirements of OR-OSHA?

SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-MFG
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: MFG OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. MANAGER'S NAME: DENNIS NETSCH
6. SEND TO ATTENTION OF: BRIAN BAILEY
7. E-MAIL ADDRESS: BRIAN_BAILEY@SILTRONIC.COM
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: ~~1700~~ 1600
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: BRIAN BAILEY
15. EMERGENCY CONTACT PHONES: DAY 503-219-7801 NIGHT ~~503-750-5777~~ (360) 750-5777
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☑ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Health and Safety Department
18. ☒ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☐ YES ☒ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☒ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

BRIAN BAILEY
WACKER SILTRONIC CORP

7200 NW FRONT AVE
PORTLAND, OR 97210

SECTION C PERSON COMPLETING FORM

Signature required: I certify that the information provided is true and accurate to the best of my knowledge. This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: Brian Bailey
2. SIGNATURE
3. DATE: 11-25-02 PHONE NO: 503-219-7801

For office use only: R____ F____ DE____/____ C____

1696

SCOEPA00051664

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ABRASIVE ALUMINUM OXIDE**

Hazardous Ingredient: **ALUMINUM OXIDE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	21	21	40	~~00~~ 40	365	E 1 4 / K 1 4	9.0		

CAS No. if known: 1344-28-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Warehouse	I103	~~W~~ SE	21
☐	I	FAB 2	1	LAPPING	6D108	C	20
☐	I	FAB 1	1	LAPPING	A103	W	10

Common Name or Trade Name: **ABRASIVE POWDER**

Hazardous Ingredient: **SILICON CARBIDE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	21	21	~~43~~ 42	~~00~~ 42	365	E 1 4 / K 1 4	9.0		

CAS No. if known: 1409-21-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	SWRRY PREP	6D115	C	11
☐	I	FAB 1	1	WAREHOUSE	I103	~~W~~ SE	20
☐	I	FAB 1	1	SLICING	C111	C	20

Common Name or Trade Name: **ACETIC ACID 35%**

Hazardous Ingredient: **ACETIC ACID**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	21	00	365	N 1 4 / E 1 4	8.0	2789	

CAS No. if known: 64-19-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1 Bulk Chem. Str.	1	Bulk Acid Storage	N/A	NW	10
☐	I	FAB 2	1	Subfab Manufacturing	6D103	C	04
☐	I	Various	1	N/A	N/A	V	04

SCOEPA00051665

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ACETYLENE**

Hazardous Ingredient: **ACETYLENE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	10	11	00	365	L 2 4	2.1	1001	CAS No. if known: 74-86-2
								6.3		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Welding Shop	H121	S	10
☐	I	Fab 1	1	Maintenence Shop	D121LT	S	10
☐							

Common Name or Trade Name: **ACTIVATED CARBON**

Hazardous Ingredient: **CARBON**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	21	30	30	00	365	J 1 4	4.5	1362	CAS No. if known: 7440-44-0
							A 1 4			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	UPW	A105	E	30
☐							
☐							

Common Name or Trade Name: **AJW1FC-3, FUJMI, EDGE MIRROR**

Hazardous Ingredient: **SILICON DIOXIDE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	30	40	00	365	E 1 4	9.0	1346	CAS No. if known: 7631-86-9
							J 1 4			

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	N/A	N/A	V	03
☐	I	Fab 2	1	N/A	N/A	V	03
☐	I	Fab 1	1	warehouse	I103	~~W~~SE	20

SCOEPA00051666

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ALUMINUM CHLOROHYDRATE 50%**

Hazardous Ingredient: **POLY ALUMINUM CHLORIDE, HYDRATE**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	30	00	365	O 1 4 / C 1 4	9.0	3264	CAS No. if known: 1327-41-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	WWTP	1	N/A	N/A	W	20
☐							
☐							

Common Name or Trade Name: **AMMONIUM HYDROXIDE 30%**

Hazardous Ingredient: **AMMONIUM HYDROXIDE**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	30	00	365	N 1 4 / E 1 4	8.0 / 6.3	2672	CAS No. if known: 1336-21-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Hazmat	1	N/A	N/A	SW	04
☐	I	Fab 1	1	Slurry Prep	F105	S	04
☐	I	Fab 1	1	N/A	N/A	V	03

Common Name or Trade Name: **ANTIFOAM SAG 795, 710**

Hazardous Ingredient: **POLYDIMETHYL SILOXANE**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	21	00	365	O 1 4 / E 1 4	9.0		CAS No. if known: 63148-62-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	WWTP	1	N/A	N/A	W	11
☐	I	Fab 1	1	Warehouse	I103	SE	11
☐	I	Fab 2	1	Solvents Room	6C105	NE	04

SCOEPA00051667

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ANTIFREEZE**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	D 1 4	6.3	3082	CAS No. if known: 107-21-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Slurry Prep	L117	N	04
☐							
☐							

Common Name or Trade Name: **ARGON-HELIUM-CO2 MIX**

Hazardous Ingredient: **HELIUM**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☒ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	11	11	00	365	L 2 4	2.2	1956	CAS No. if known: 7440-59-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☒	O	Fab 1	1	Maintenence Shop	D121 LT	S	11
☐							
☐							

Common Name or Trade Name: **ARGON 80%/HELIUM 20%**

Hazardous Ingredient: **ARGON**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	20	365	L 2 4	2.2	1006	CAS No. if known: 7440-37-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various	1	N/A	N/A	V	10
☐	I	Fab 2	1	Epi gases	GC102	NW	20
☐							

1700

SCOEPA00051668

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARGON AND CARBON DIOXIDE MIXTURE**

Hazardous Ingredient: **ARGON**

☐ 112R ☐ EHS ☐ PSM ☒ 2 1-Pure 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	10	10	11	00	365	L 2 4	2.2	1956	CAS No. if known 7440-37-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☒	I	Fab 1	1	Maintenence Shop	D12LT	S	10
☐							
☐							

Common Name or Trade Name: **ARGON LIQUID**

Hazardous Ingredient: **ARGON**

☐ 112R ☐ EHS ☐ PSM ☒ 1 1-Pure 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	31	00	365	A 2 7	2.2 6.3	1951	CAS No. if known 7440-37-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	NOx		N/A	N/A	W	30
☐							
☐							

Common Name or Trade Name: **ARGON**

Hazardous Ingredient: **ARGON**

☐ 112R ☐ EHS ☐ PSM ☒ 1 1-Pure 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	20	365	L 2 4	2.2	1006	CAS No. if known 7440-37-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various		N/A	N/A	V	11
☐	I	FAB 1 BLK CHEM STR	1	Cylinder Storage	BAY 5	SE	30
☐	I	FAB1 TCS	1	TCS BUNKER	N/A	E	20

SCOEPA00051669

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ARSINE 10 PPM IN HYDROGEN**

Hazardous Ingredient: **ARSINE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	20	20	10	02	365	L 2 4	2.3 / 2.1	2188	7784-42-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	2	HPM Rooms	~~N/A~~ K203	S	10
☐	I	Dopent Storage	1	Fab 1 South Yard	N/A	S	10
☐	I	FAB1	2	HPM Room	K206	S	10

Common Name or Trade Name: ~~**BIOCLEAN 103A, 107A**~~ BioClean 103A, 107A, 511

Hazardous Ingredient: **ORGANIC ACID, NOS**

☐ 112R ☐ EHS ☐ PSM ☒ 2-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	21	00	365	A 1 4 / R 1 4	8.0 / 9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	RODI	F101	S	11
☐	I	CFB	1	UPW	A105	E	11
☐							

Common Name or Trade Name: **CARBON DIOXIDE**

Hazardous Ingredient: **CARBON DIOXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	10	20	20	02	365	L 2 4	2.2 / 6.3	1013	124-38-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB1 Bulk Chemical Storage	1	~~Area~~ Cylinder Storage	Bay 5	SE	20
☐							
☐							

1702

SCOEPA00051670

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **CHEROKEE RO 8000**

Hazardous Ingredient: **PETROLEUM DISTILLATE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	D 1 4	6.3		CAS No. if known: 64742-47-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	WWTP	1	N/A	N/A	V	04
☐							
☐							

Common Name or Trade Name: **CHROMIC ACID SOLUTION**

Hazardous Ingredient: **CHROMIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	11	00	365	C 1 4	8.0	1755	CAS No. if known: 11115-74-5

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	New Chrome Shed	1	South Yard	N/A	C	20
☐	I	Fab 1	1	Chromic Delivery Rm	A131	W	04
☐	I	Fab 1	1	Chromic Etching Rm	A122	W	03

Common Name or Trade Name: **CITRIC ACID**

Hazardous Ingredient: **CITRIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	30	00	365	J 1 4	6.3	1759	CAS No. if known: 77-92-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Warehouse	I102	W	11
☐	I	Fab 2	1	Lap Slurry Prep	6D108	SE	04
☐	I	Fab 1	1	Fine Grit Lapping	C105	W	11

SCOEPA00051671

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **CONC. ACID WASTEWATER**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	40	40	00	00	365	A 1 4 / B 1 4	8.0 / 6.3	1052	7664-39-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	WWTP		WWTP - Fab 2 side	N/A	E	30
☐	O	Fab 1 - forwarding Sump		South Yard	N/A	C	30
☐	O	Fab 2 - forwarding Sump		South of CFB	N/A	S	30

Common Name or Trade Name: **CRL 80**

Hazardous Ingredient: **CYCLOHEXYLAMINE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	10	00	365	C 1 4 / E 1 4	8.0 / 6.3		108-91-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	Chillers	A101	NW	10
☐							
☐							

Common Name or Trade Name: **DETERGENT Q-9**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	20	30	00	365	E 1 4 / C 1 4	8.0	1814	1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Warehouse	I103	SE	11
☐	I	Fab 1	1	N/A	N/A	V	03
☐	I	Fab 2	1	N/A	N/A	V	03

SCOEPA00051672

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DEVEL A**

Hazardous Ingredient: **ORTHO SODIUM SILICATE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	N 1 4	9.0		CAS No. if known: 1344-09-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Warehouse	I103	SE	11
☐	I	Fab 1	1	N/A	N/A	V	02
☐	I	Fab 2	2	N/A	N/A	V	02

Common Name or Trade Name: **DIBORANE 25-1000 PPM IN HYDROGEN**

Hazardous Ingredient: **DIBORANE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	21	30	30	11	365	L 2 4	2.1	1911	CAS No. if known: 19287-45-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Dopant Storage Full	N/A	C	20
☐	I	Fab 1	2	2nd Floor EPI	N/A	S	20
☐	I	Fab 2	1	EPI gases	6C102	E	20

Common Name or Trade Name: **DIESEL**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	20	00	365	C 1 4	3.3 6.3	1202	CAS No. if known: 68476-34-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	Generator Room	A107	S	11
☐	I	CUB	1	Generator Room	N/A	NW	11
☐							

1705

SCOEPA00051673

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **DIPROPYLENE GLYCOL**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	31	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	I	Fab 1	1	Warehouse	I103	SE	11
Delete ☐	I	Fab 2	1	MWS Slurry	6D115	NW	04
Delete ☐	I	Fab 1	1	SLICING	C111	N	11

Common Name or Trade Name: **DOWFROST GLYCOL**

Hazardous Ingredient: **PROPYLENE GLYCOL**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	04	00	365	R 1 4 / D 1 4	9.0		CAS No. if known: 57-55-6

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	I	Fab 1	1	Warehouse	I103	SE	04
Delete ☐	I	Fab 2	2	Chilling loop	N/A	V	10
Delete ☐							

Common Name or Trade Name: **ETCHING SOLUTIONS**

Hazardous Ingredient: **NITRIC ACID**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	04	00	365	R 1 4	8.0 / 6.3		CAS No. if known: 7697-37-2

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	I	Fab 2	1	Acid Etch	6B105	SW	04
Delete ☐	I	Fab 1	1	Acid Etch	A130	W	03
Delete ☐	I	Fab 1 Bulk Chem. Store	1	Acid Storage	Bay 1	NW	04

1706

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ETHYLENE GLYCOL**

Hazardous Ingredient: **ETHYLENE GLYCOL**

☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	~~00~~ 10	00	365	D 1 4 / R 1 4	6.3 / 6.4	3082	107-21-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Plate Prep	C121	N	04
☐	I	Fab 1	1	Warehouse	I103	SE	04
☐	I	Fab 1	1	Chilling loop	N/A	V	04

Common Name or Trade Name: **FERASIL FERROSOL**

Hazardous Ingredient: **ORGANOPHOSPHONIC ACID, SODIUM SALT**

☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure 2-Mixture
☒ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
1	1	20	20	20	00	365	E 1 4	8.0	1760	2809-21-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							

Common Name or Trade Name: **FILTERMATE C150 POLYMER**

Hazardous Ingredient: **POLYMERIC**

☐ 112R
☐ EHS
☐ PSM
☑ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	20	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	UPW	A105	E	10
☐	I	Fab 1	1	Warehouse	I103	SE	10
☐							

1707

SCOEPA00051675

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **GASOLINE**

Hazardous Ingredient: **PETROLEUM DISTILLATES**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	D 1 4	3.1	1203	CAS No. if known: 8006-61-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various		N/A	N/A	V	03
☐							
☐							

Common Name or Trade Name: **GRO PRO**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	20	00	365	E 1 4 R 1 4	9.0	1813	CAS No. if known: 1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	Chillers	A104	W	11
☐	I	Fab 1	1	N/A	N/A	V	03
☐							

Common Name or Trade Name: **HELIUM**

Hazardous Ingredient: **HELIUM**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	20	365	L 2 4	2.2	1046	CAS No. if known: 7440-59-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1 Bulk Chem. Storage	1	Cylinder Storage	Bay 5	SE	20
☐							
☐							

1708

SCOEPA00051676

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROCHLORIC ACID 31-37%**

Hazardous Ingredient: **HYDROCHLORIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							E 1 4	8.0		
2	2	21	30	21	00	365	C 1 4	6.3	1789	CAS No. if known: 7647-01-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1 Bulk Chem. Stor	1	Acid Storage	Bay 1	NW	11
☐	I	Fab 2	1	Bulk Chem. Delivery	6C104	NE	04
☐	I	FAB 2	2	Cell 8	6D232	NE	04

Common Name or Trade Name: **HYDROFLUORIC ACID 48%-50%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							E 1 4	8.0		
2	2	20	21	30	00	365	A 1 4	6.1	1790	CAS No. if known: 7664-39-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 2	1	Bulk Chem. Delivery	6C104	NE	04
☐	I	Fab 1 Bulk Chem. Storage	1	Acid Storage	Bay 1	NW	20
☐	I	FAB 1	1	Chemical Storage	E142	N	04

Common Name or Trade Name: **HYDROFLUORIC ACID 60%**

Hazardous Ingredient: **HYDROFLUORIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							A 1 4	6.1		
2	2	20	21	21	00	92	C 1 4	8.0	1790	CAS No. if known: 7664-39-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	FAB 2 - Bulk Chem. Stor	1	HF/NNO3 Pad	N/A	S	20
☐	I	FAB-2	1	Cell 4	6B110	W	03
☐							

1709

SCOEPA00051677

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYDROGEN CHLORIDE**

Hazardous Ingredient: **HYDROGEN CHLORIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	40	40	50	31	365	L 2 4	2.2	1050	CAS No. if known 7647-01-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab1 Bulk Chem Storage	1	Cylinder Storage	Bay 5	SE	31
☐	I	Fab 1	2	HPM Rooms	K203	SE	30
☐	I	Fab 1	2	HPM Rooms	K206	SE	30

Common Name or Trade Name: **HYDROGEN LIQUID**

Hazardous Ingredient: **HYDROGEN**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	43	00	365	A 2 7	2.1	1966	CAS No. if known 1333-74-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	Bulk Cryo Tank		Hydrogen Pad	N/A	C	30
☐							
☐							

Common Name or Trade Name: **HYDROGEN PEROXIDE 30%**

Hazardous Ingredient: **HYDROGEN PEROXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: 5749-7
2	2	20	30	30	00	365	N 1 4 / E 1 4	5.1 / 8.0	2014	CAS No. if known 7722-84-1

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 2	1	~~Bulk~~ Chem. Storage	6C109	NE	04
☐	I	CFB	1	UPW	A105	E	04
☐	I	Fab 1	1	Chemical Storage	E141	NE	04

1710

SCOEPA00051678

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **HYPERSPERSE AF 150 ANTISCALENT**

Hazardous Ingredient: **PROPRIETARY**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	UPW	A105	E	10
☐	I	Fab 1	1	Warehouse	I103	SE	10
☐							

Common Name or Trade Name: **INERGEN**

Hazardous Ingredient: **NITROGEN**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	30	30	00	00	365	L 2 4	2.2		7727-37-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Admin	1	Computer Room	N/A	C	21
☐	I	Fab 1	1	Computer Room	D119	C	20
☐	I	Fab 2	1	Computer Room	6A137	S	20

Common Name or Trade Name: **ISOPROPYL ALCOHOL 10%**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	10	00	00	365	N 1 4	6.3	1219	67-63-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	N/A	N/A	V	00
☐	I	Fab 2	1	N/A	N/A	V	00
☐	I	Fab 2	2	N/A	N/A	V	00

1711

SCOEPA00051679

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **ISOPROPYL ALCOHOL**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	11	20	00	365	D 1 4 / N 1 4	3.2 / 6.3	1219	CAS No. if known: 67-63-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1 Bulk Chem Storage	1	Flammables Storage	Bay 3	E	04
☐	I	FAB 1	1	Solvent Room	D125	S	04
☐	I	FAB 2	1	Solvent Room	6C105	NE	04

Common Name or Trade Name: **KEROSENE**

Hazardous Ingredient: **KEROSENE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☒ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04		11	00	365	D 1 4	3.3	1223	CAS No. if known: 8008-20-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							

Common Name or Trade Name: **LEAD ACID BATTERIES-WET**

Hazardous Ingredient: **SULFURIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	30	30	00	00	365	R 1 4	8.0 / 6.3	2800	CAS No. if known: 7664-93-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Electrical	A102	W	20
☐	I	FAB 1	1	Electrical	H115	SE	20
☐	I	FAB 1	1	Electrical	L116	NW	20

1712

SCOEPA00051680

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **LIME SOLUTION**

Hazardous Ingredient: **CALCIUM HYDROXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	00	00	365	A 1 4 / C 1 4	8.0 / 6.3		CAS No. if known: 1305-62-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	WWTP		Day Tank	N/A	E	21
☐							
☐							

Common Name or Trade Name: **LIME**

Hazardous Ingredient: **CALCIUM OXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	~~31~~ 30	30	50	00	365	A 1 4 / C 1 4	6.3 / 8.0	1910	CAS No. if known: 1305-78-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	WWTP		Lime Silo	N/A	NW	30
☐							
☐							

Common Name or Trade Name: **LUTENSOL AP 10**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	20	00	365	C 1 4 / E 1 4	6.3		CAS No. if known: 68412-54-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Warehouse	I103	SE	10
☐							
☐							

1713

SCOEPA00051681

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NCT-2 & NCT-3**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	11	11	11	00	365	E 1 4	8.0		
							R 1 4	6.3	1824	CAS No. if known: 1310-73-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CUB	1	N/A	N/A	S	11
☐	I	FAB1	1	RODI	F101	S	04
☐							

Common Name or Trade Name: **NITRIC ACID 70%**

Hazardous Ingredient: **NITRIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	30	30	50	00	365	D 1 4	6.3		
							A 1 4	8.0	2031	CAS No. if known: 7697-37-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	FAB2 Bulk Chem. Storage		HF/HNO3 Pad	N/A	S	21
☐	I	FAB1 Bulk Chem. Storage	1	Acid Storage	Bay 1	NW	21
☐	I	FAB1	1	BCD	K131	SW	04

Common Name or Trade Name: **NITROGEN CRYOGENIC LIQUID**

Hazardous Ingredient: **NITROGEN**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	30	40	00	365	A 2 7	2.2		
							S 2 7	6.3	1977	CAS No. if known: 7727-37-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	Bulk Cryo Tank		Nitrogen Pad	N/A	C	30
☐							
☐							

1714

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Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **NITROGEN TRIFLUORIDE**

Hazardous Ingredient: **NITROGEN TRIFLUORIDE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V L 2 4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	10	10	10	00	365		5.1	2451	7783-54-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	EPI GASES	C6102	NW	10
☐	I	FAB1 BLK CHM STR	1	CHlinder storage	BAY 5	SE	10
☐							

Common Name or Trade Name: **NITROGEN**

Hazardous Ingredient: **NITROGEN**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V L 2 4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	31	31	40	21	365		2.2	1066	7727-37-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	2	HPM Rooms	K213	S	20
☐	I	FAB 1	2	HPM Rooms	K206	S	30
☐	I	FAB 1	2	HPM Rooms	K203	S	20

Common Name or Trade Name: **NOVA CLEAN**

Hazardous Ingredient: **SURFACTANT**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V E 1 4	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	10	00	365		9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	2	Lunch Room	6A206	SE	04
☐							
☐							

1715

SCOEPA00051683

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **OILS**

Hazardous Ingredient: **PETROLEUM HYDROCARBON**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	20	00	365	N 1 4	4.5		34704-352
							A 1 4	6.3	1270	64742-54-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	B	Growing Basement	A001	W	10
☐	I	FAB 2	1	Bulk Chem. Delivery	C6105	NE	04
☐	I	FAB 1 Bulk Chem Stor.	1	Solvent Storage	Bay 3	E	10

Common Name or Trade Name: **OXYGEN LIQUID**

Hazardous Ingredient: **OXYGEN**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	2	10	10	20	00	365	L 2 7	2.2		
								5.1	1073	7782-44-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	FAB 1		O_2 Station	N/A	W	10
☐	O	FAB 2		O_2 Station	N/A	NW	10
☐							

Common Name or Trade Name: **OXYGEN**

Hazardous Ingredient: **OXYGEN**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
3	3	20	20	20	04	365	L 2 4	2.2		
								5.1	1072	7782-44-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1 - Bulk Chem. Stor.	1	Cylinder Storage	Bay 5	SE	11
☐	I	FAB 1	1	Metals Fab	H117	SE	10
☐	I	FAB 1	1	Welding	H121	SE	11

1716

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Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **PETROLEUM GREASES MISC.**

Hazardous Ingredient: **HEAVY NAPHTHENIC DISTILLATES**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							E 1 4	4.5		
2	1	10		20	00	365	R 1 4	6.4		CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1		N/A	N/A	V	03
☐	I	FAB 2		N/A	N/A	V	03
☐	I	CFB		N/A	N/A	V	03

Common Name or Trade Name: **PHOSPHINE 5-999 PPM IN HYDROGEN**

Hazardous Ingredient: **HYDROGEN**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							L 2 4	2.3		
3	3	21	21	30	11	365		2.1	2199	CAS No. if known 1333-74-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	EPI gases	GC/02	NW	11
☐	I	Dopant Storage	1	South of FAB 1	N/A	C	21
☐	I	FAB 1	1	Lower HPM room	F126	SE	20

Common Name or Trade Name: **POLYTREAT 3**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
							E 1 4	6.3		
2	2	04	10	11	00	365	N 1 4		1814	CAS No. if known 1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	Chillers	A 101	NW	10
☐							
☐							

1717

SCOEPA00051685

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM CARBONATE**

Hazardous Ingredient: **POTASSIUM CARBONATE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	40	00	365	I 1 4 / J 1 4	6.3		CAS No. if known: 584-08-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Slurry Prep	F103	S	11
☐	I	FAB 1	1	Warehouse	I103	SE	20
☐							

Common Name or Trade Name: **POTASSIUM DICHROMATE SOLUTION**

Hazardous Ingredient: **POTASSIUM DICHROMATE**

☐ 112R ☐ EHS ☐ PSM ☑ 2-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	C 1 4 / N 1 4	6.3 / 6.4		CAS No. if known: 7778-50-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Acid Etch	A131	W	04
☐							
☐							

Common Name or Trade Name: **POTASSIUM HYDROXIDE SOLN**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	00	00	365	C 1 4	8.0 / 6.3	1814	CAS No. if known: 1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	Acid Etch	6B105	SW	03
☐	I	FAB 1	1	Acid Etch	A130	NW	03
☐							

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2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number 005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **POTASSIUM HYDROXIDE**

Hazardous Ingredient: **POTASSIUM HYDROXIDE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	41	00	365	I 1 4 / J 1 4	8.0 / 6.3	1813	CAS No. if known: 1310-58-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Warehouse	I103	SE	20
☐	I	FAB 1	1	Post Lap Caustic Clean	C132	W	11
☐	I	FAB 2	1	Acid Etch Chase	6B110	W	04

Common Name or Trade Name: **PROPANE**

Hazardous Ingredient: **PROPANE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	11	20	20	00	365	A 2 6 / L 2 6	2.1 / 6.3	1075	CAS No. if known: 74-98-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	FAB 1		Outside Warehouse	N/A	SE	11
☐	O	CUB		Outside Generator Rm	N/A	W	11
☐							

Common Name or Trade Name: **PROPYLENE GLYCOL**

Hazardous Ingredient: **PROPYLENE GLYCOL**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	11	00	365	E 1 4 / D 1 4	4.5 / 6.3		CAS No. if known: 57-55-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	Chillers	A104	W	10
☐							
☐							

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Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **REFRIGERANT 22**

Hazardous Ingredient: **CHLORODIFLUOROMETHANE**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	1	20	20	20	00	365	L 2 4	2.2 6.3	1018	CAS No. if known: 75-45-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1 Bulk Chem Stor.	1	Cylinder Storage	Bay 5	SE	11
☐	I	HVAC Shed		So. Yard	N/A	S	20
☐	I	FAB 2		N/A	N/A	V	04

Common Name or Trade Name: **RP TEAM**

Hazardous Ingredient: **DIETHANOLAMINE**

☐ 112R ☐ EHS ☐ PSM ☑ 2 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10	11	00	365	E 1 4	9.0		CAS No. if known: 111-42-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Warehouse	I103	SE	10
☐	I	FAB 1	1	Slurry Prep	D123	C	04
☐							

Common Name or Trade Name: **SAND FILTERS**

Hazardous Ingredient: **CRYSTALLINE SILICA**

☐ 112R ☐ EHS ☐ PSM ☑ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	20	20	~~00~~ 20	365	R 1 4	9.0		CAS No. if known: 14808-60-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	WWTP		FAB 1 Side	N/A	W	20
☐	O	WWTP		FAB 2 Side	N/A	E	20
☐	O	CFB		Multi Media TANKS	N/A	E	20

1720

SCOEPA00051688

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SILANE**

Hazardous Ingredient: **SILANE**

☐ 112R ☐ EHS ☐ PSM ☐ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	3	20	20	30	00	365	L 2 4	2.1 / 4.4	2203	CAS No. if known: 7803-62-5

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1		Silane Bunker	N/A	S	10
☐	I	FAB 2		Silane Bunker	N/A	N	10
☐							

Common Name or Trade Name: **SILICON HYPERPURE CHIPS**

Hazardous Ingredient: **SILICON**

☐ 112R ☐ EHS ☐ PSM ☐ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	20	30	31	00	365	K 1 4	6.3 / 6.4		CAS No. if known: 7440-21-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	I	Warehouse	I103	SE	20
☐							
☐							

Common Name or Trade Name: **SKYLIQUID WAX**

Hazardous Ingredient: **TOLUENE**

☐ 112R ☐ EHS ☐ PSM ☐ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	20	00	365	N 1 4	3.2		CAS No. if known: 108-88-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various		N/A	N/A	V	03
☐	I	FAB 2	1	Solvents Room	6C105	NE	04
☐							

SCOEPA00051689

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM CHLORITE 25%**

Hazardous Ingredient: **SODIUM CHLORITE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	20	20	20	00	365	A 1 4 / C 1 4	5.1 / 6.3		9150-7-33003 / 7758-19-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	NOx	1	Storage Tank	N/A	W	20
☐							
☐							

Common Name or Trade Name: **SODIUM HYDROXIDE 25-50%**

Hazardous Ingredient: **SODIUM HYDROXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	30	30	31	00	365	E 1 4 / A 1 4	8.0 / 6.3	1824	/ 1310-73-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	Bulk Chem. Delivery	C6107	N	04
☐	O	CFB		Bulk Tanks	N/A	N	21
☐	I	FAB 1	1	Bulk Chem. Delivery	E141	N	04

Common Name or Trade Name: **SODIUM HYPOCHLORITE SOLN**

Hazardous Ingredient: **SODIUM HYPOCHLORITE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	04	04	04	00	365	E 1 4 / R 1 4	5.1 / 8.0	1791	37982-20001-7(/ 7681-52-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	CFB	1	UPW	A105	E	04
☐	I	CFB	1	Boilers	A102	NE	04
☐							

1722

SCOEPA00051690

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SODIUM METABISULFITE SOLUTION**

Hazardous Ingredient: **SODIUM METABISULFITE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	00	00	365	C 1 4	6.3		CAS No. if known: 7681-57-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	CFB	1	UPW	A105	E	04
☐							

Common Name or Trade Name: **SODIUM METABISULFITE**

Hazardous Ingredient: **SODIUM METABISULFITE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	04	04	20	00	365	J 1 4	6.3 / 6.4	2693	CAS No. if known: 7681-57-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Warehouse	I103	SE	04
☐	I	FAB 1	1	RODI	F101	S	04
☐	I	CFB	1	UPW	A105	E	04

Common Name or Trade Name: **SODIUM SULFIDE 10%**

Hazardous Ingredient: **SODIUM SULFIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	30	00	365	A 1 4 / C 1 4	8.0 / 6.3	1849	CAS No. if known: 1313-82-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	NOx		Tanks - outside	N/A	NW	20
☐	I	NOx	1	Tanks	N/A	C	20
☐							

SCOEPA00051691

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SPILFYTER** [Sodium Silicate]

Hazardous Ingredient: ~~**TRIETHANOLAMINE**~~

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	11	11	11	00	365	E 1 4	6.3	~~1760~~	~~102-71-6~~ 1344-09-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	Old Chrome Ched		ERT SHed	N/A	NW	11
☐							
☐							

Common Name or Trade Name: **STEPANOL AM**

Hazardous Ingredient: **ALKYL SULFATE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	10	10	11	00	365	E 1 4	9.0		

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Warehouse	I103	SE	04
☐	I	Fab 1	1	Acid Etch	A130	W	10
☐	I	Fab 2	1	Acid Etch	6B105	SW	04

Common Name or Trade Name: **SULFURIC ACID 25%-70%**

Hazardous Ingredient: **SULFURIC ACID**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No: / CAS No. if known
2	2	21	21	30	00	365	A 1 4 / N 1 4	8.0 / 6.3	1830	7664-93-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	RODI	F101	S	04
☐	O	NOx		Tank Storage	N/A	W	11
☐	O	WWTP		FAB 2 SIDE	N/A	SW	20

1724

SCOEPA00051692

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **SURFONIC N-95 CDM**

Hazardous Ingredient: **ALKYLPHENOLETHOXYLATE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	10 ~~04~~	~~04~~ 10	00	365	D 1 4	6.3		CAS No. if known: 9016-45-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	Process Support	6D118	C	10
☐	I	FAB 1	1	WAREHOUSE	I103	SE	10
☐							

Common Name or Trade Name: **TETRAMETHYLAMMONIUM HYDROXIDE**

Hazardous Ingredient: **TETRAMETHYLAMMONIUM HYDROXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	30	00	365	N 1 4 / E 1 4	8.0	1835	CAS No. if known: 75-59-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various		N/A	N/A	V	03
☐	I	FAB 2	1	Bulk Chem. Delivery	6C106	NE	04
☐	I	FAB 2	1	Process Support	6D118	N	20

Common Name or Trade Name: **TRICHLOROSILANE**

Hazardous Ingredient: **TRICHLOROSILANE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
3	2	20	20	30	21	365	L 2 4	4.3	1295	CAS No. if known: 10025-78-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	TCS Bunker	N/A	C	04
☐	I	FAB 2	1	TCS Area	6C101	NW	10
☐	I	FAB 1 Bulk Chem. Stor.	1	Flammables Storage	Bay 3	E	11

SCOEPA00051693

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **TRIPLE POWER**

Hazardous Ingredient: **ALKYL POLYGLYCOSIDE SURFACTANT**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	10	00	365	D 1 4	8.0	3266	CAS No. if known: 110615-47-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Solvent Room	D125	S	04
☐							
☐							

Common Name or Trade Name: **VACUUM CLEANER DUST**

Hazardous Ingredient: **ANTIMONY TRIOXIDE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
1	1	11	11	00	21	365	D 1 4	9.0		CAS No. if known: 1309-64-4

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	House Vacuum	A104	W	11
☐							
☐							

Common Name or Trade Name: **VANWET 9N9**

Hazardous Ingredient: **NONYLPHENOL SURFACTANT**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	21	21	20	00	365	E 1 4	6.3		CAS No. if known: 9016-45-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	various		N/A	N/A	V	03
☐	I	FAB 2	1	Bulk Chem. Delivery	6C106	NE	04
☐	I	FAB 2	1	Processing Support	6D118	N	20

1726

SCOEPA00051694

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **VARSOL 1**

Hazardous Ingredient: **STODDARD SOLVENT**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	04	00	365	C 1 4	3.3 / 6.4	1268	CAS No. if known: 8052-41-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Machine Shop	H120	SE	04
☐							
☐							

Common Name or Trade Name: **VECTOR HTR & HTS**

Hazardous Ingredient: **TRIETHANOLAMINE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	21	00	365	E 1 4	4.5 / 6.4		CAS No. if known: 102-71-6

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	various	1	N/A	N/A	V	03
☐	I	Fab 2	1	Lapping	6D104	C	04
☐	I	Fab 2	1	Solvents Room	6C105	NE	04

Common Name or Trade Name: **WASTE ALCOHOL**

Hazardous Ingredient: **ISOPROPYL ALCOHOL**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	04	04	00	20	365	D 1 4	3.2	1219	CAS No. if known: 67-63-0

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1 Bulk Chem. Stor.	1	Hazmat Storage	BAY 4	E	04
☐							
☐							

1727

SCOEPA00051695

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WASTE OIL**

Hazardous Ingredient: **PETROLEUM HYDROCARBONS**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	20	20	00	21	365	A 1 4 / D 1 4	4.5 / 6.4	9189	CAS No. if known: 64742-54-7

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various		N/A	N/A	V	03
☐	I	Fab 1 Chemical Stor.		Hazmat Waste	BAY 3	E	04
☐	I	Fab 1	B	Growing Basement	A001	W	04

Common Name or Trade Name: **WASTE SOLVENT**

Hazardous Ingredient: **PETROLEUM DISTILLATE**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	03	04	00	10	365	D 1 4	4.5 / 6.3	1993	CAS No. if known: 8052-41-3

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various		N/A	N/A	V	03
☐							
☐							

Common Name or Trade Name: **WASTE WAX**

Hazardous Ingredient: **PARRAFIN WAX**

☐ 112R ☐ EHS ☐ PSM ☒ 1-Pure ☐ 2-Mixture ☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	1	10	10	00	21	365	D 1 4	3.2		CAS No. if known: 8002-74-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Various		N/A	N/A	V	03
☐	I	Fab1 Chemical Storage	1	Hazwaste	BAY 3	E	10
☐							

1728

SCOEPA00051696

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WIRE SAW SLURRY-NEW**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	1	30	30	40	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 2	1	Subfab Manufacturing	6D103	NW	20
☐	I	Fab 2	1	MWS Slurry Prep	6D115	NW	30
☐	I	Fab 1	1	MWS Slurry Prep	L117	N	21

Common Name or Trade Name: **WIRE SAW SLURRY-RECYCLED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	1	30	30	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 2	1	Subfab. Manufacturing	6D103	NW	20
☐	I	Fab 2	1	MSW Slurry Prep	6D115	NW	20
☐							

Common Name or Trade Name: **WIRE SAW SLURRY-USED**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	1	30	30	00	00	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 2	1	MWS Slurry Prep	6D115	NW	30
☐							
☐							

SCOEPA00051697

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Number
005268

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: **WIRE SAW SLURRY-WASTE**

Hazardous Ingredient: **DIPROPYLENE GLYCOL**

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No:
2	2	10	10	00	10	365	D 1 4 / R 1 4	9.0		CAS No. if known: 25265-71-8

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	Fab 1	1	Subfab Manufacturing	6D103	NW	10
☐							
☐							

1730

SCOEPA00051698

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numb
00526

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: WAFERS,

Hazardous Ingredient: ~~Silicon~~ Silicon

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known
1	1	30	30	0	41	365	R I H	9.2		7440-21-3

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	I	WAREHOUSE	1	NA	NA	V	30
Delete ☐							
Delete ☐							

Common Name or Trade Name: Integrity Floor finish

Hazardous Ingredient: methoxy dipropylene glycol

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known
2	2	94	04	10	0	365	P I H	0		34590-94-8

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	I	FAB 1	1	SAWING ROOM	D125	S	04
Delete ☐							
Delete ☐							

Common Name or Trade Name: Kemilime

Hazardous Ingredient: Calcium Oxide

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure ☐ 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known
1	1	112	120	11	0	365	S I H	8, 0		1305-78-8

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	I	WWTP	1	NA	NA	V	20
Delete ☐							
Delete ☐							

SCOEPA00051699

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numb
00526

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Sludge

Hazardous Ingredient: Silicon Dioxide

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known
2	2	21	21	0	42	365	A 1 4	6.3 / 9.0	1346	7631-86-9

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	0	WWTP		Hydrocyclone	N/A	SW	21
Delete ☐							
Delete ☐							

Common Name or Trade Name: Dewatered Sludge

Hazardous Ingredient: Silicon Dioxide

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known
1	1	20	20	0	42	365	R 1 4	6.3 / 9.0	1346	7631-86-9

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	1	WWTP	1	Filter Press	NA	W	20
Delete ☐							
Delete ☐							

Common Name or Trade Name: Ingots

Hazardous Ingredient: ~~Silicon~~ Silicon

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known
1	1	30	30	0	0	365	R 1 4	9.0		7440-21-3

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	1	VARIOUS		NA	NA	V	30
Delete ☐							
Delete ☐							

1731

SCOEPA00051700

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Numbe
005268

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: Detergent Q-9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	BASES ROOM	6C106	NE	04
☐	I	FAB 1	1	FINE GRIT LAPPING	B105A	W	04
☐	I	FAB1	1	Solvent Room	D125	S	10
☐	I	FAB1	1	ACID ETCH	A130	W	04

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							

SCOEPA00051701

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Numbe
005261

SECTION E Enter the information in the [bracketed] areas.

Common Name or Trade Name: Argon 80% Helium 20%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1 DIX CHM STRG	1	Cylinder storage ~~BAY 5~~	BAY 5	SE	20
☐							
☐							
☐							

Common Name or Trade Name: AJW1FC-3, Fujimi, Edge Mirror

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB1	1	MWS slurry prep	L117	NW	11
☐	I	FAB1	1	Slurry prep	F103	S	10
☐	I	FAB1	1	Growing warehouse	A109	W	12
☐	I	FAB1	1	Wet blast	C132A	C	04

Common Name or Trade Name: AJW1FC3...

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB1	1	Polishing Return	F101	N	04
☐	I	FAB1	1	Polishing	F102	N	04
☐	I	FAB2	1	Process support	6D118	N	21
☐							

Common Name or Trade Name: AJW1FC3...

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB2	2	Polishing Chase	6D239	C	10
☐	I	FAB2	2	Polishing Chase	6D241	C	10
☐	I	FAB2	2	Polishing Chase	6D245	C	04

Common Name or Trade Name: Abrasive Aluminum Oxide

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2		N/A	NA	V	03
☐							
☐							

SCOEPA00051702

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Numb
00526

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: Tetramethyl Ammonium Hydroxide

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB 1	1	Chemical STORAGE	E141	NE	04
☐	1	FAB 1	1	CBS Room	E144	NE	21
☐	1	FAB 1	1	CHEMICAL STORAGE ~~K130~~	K130	SE	07
☐	1	FAB 1 BLK CHM STRG	1	TMAH STORAGE	BAY 6	SW	10

Common Name or Trade Name: TRICHLOROSILANE

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB 1	2	HDM Room	K203	SE	04
☐	1	FAB 1	2	HDM Room	K206	SE	04
☐							
☐							

Common Name or Trade Name: VANWET 9N9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB 2	2	Polishing	6D232	C	04
☐	1	FAB 2	2	Polishing	6D236	C	04
☐	1	FAB 2	2	Polishing	6D249	C	04
☐	1	FAB 1	1	Solvents Room	D125	S	04

Common Name or Trade Name: VANWET 9N9

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB 1	1	Chemical Storage	E144	NE	21
☐	1	FAB 1	1	~~CHEMICAL~~ WAREHOUSE	J103	SW	11
☐							

Common Name or Trade Name: VECTOR HTR & HTS

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB 1	1	WAREHOUSE	J103	SE	10
☐							
☐							

1732

SCOEPA00051703

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Numb
005261

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: Ammonium Hydroxide

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1 BULK CHM STR	1	FAAH STORAGE	DAY G	SO	10
☐							
☐							
☐							

Common Name or Trade Name: Dipropylene Glycol

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	PLATE PREP	C1001/21	N	04
☐	I	FAB 1	1	MMS SLURRY PREP	2117	NW	04
☐							
☐							

Common Name or Trade Name: Hydrochloric Acid 31-37 %

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Chemical Storage	K132	SE	04
☐	I	HAZMAT	1	ACID SIDE	NA	C	04
☐	O	CFB	1	ACID TANK	NA	NE	21

Common Name or Trade Name: Hydrochloric Acid 31-37 %

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	Chemical Delivery	E142	NE	04
☐	I						
☐							

Common Name or Trade Name: Hydro fluoric Acid 48%-50 %

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	HAZMAT	1	Acid side	NA	C	04
☐	I	FAB 1		CHEMICAL STORAGE	K132	SE	04
☐							

1732

SCOEPA00051704

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Numbe
005268

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: Hydrogen chloride

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	2	HPM ROOM	K213	SE	20
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: Hydrogen Peroxide 30%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1 BUILDING STR	1	TMAH STORAGE	BAY 6	SW	20
☐	I	HAZMAT	1	Peroxide Side	N/A	W	5%
☐	I	FAB 1	1	Chemical Delivery	K130	SE	0%
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: Lead Acid Batteries - WET

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 2	1	BATTERY ROOM	6 B109	NW	20
☐	I	CFB	1	Electrical	A106	SW	20
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

Common Name or Trade Name: [ ]

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]
☐	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]

SCOEPA00051705

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Numbe
005268

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: Nitrogen

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB1 DLK CHM STR	1	Cylinder Storage	BAY 5	SE	30
☐	I	FAB1	1	Lower HTM Room	F126	SE	20
☐							
☐							

Common Name or Trade Name: Oils

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB1	1	Polishing Service Lot	E109	NW	10
☐	I	FAB1	1	Polishing Service Lot.	E109A	NW	04
☐	I	FAB1	1	Metals FAB	H117	SE	04
☐	I	FAB1	1	Machine Shop	H120	SE	04

Common Name or Trade Name: Oils

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB1	1	Fac. Maint Shop	H125	SE	04
☐	I	FAB1	1	Fac. Maint Shop	H123	SE	04
☐	I	FAB1	1	MWS Slurry Prep	L117	NE	04
☐	I	COB	1	N/A	N/A	W	04

Common Name or Trade Name: Oils

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB1	1	WAREHOUSE	I103	SE	04
☐	I	COB	1	N/A	N/A	V	03
☐	I	COB	1	Chillers	A104	W	04

Common Name or Trade Name: Oxygen

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	O	FAB1		MAINTENANCE LEAN TO	D121 LT	NW	011
☐							
☐							

1732

SCOEPA00051706

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Enter the information in the [bracketed] areas.

Facility ID Numb
00526

SECTION E

Common Name or Trade Name: Phosphine 5-999 ppm in Hydrogen

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB1	2	HPM ROOM	K203	SE	20
☐	1	FAB1	2	HPM ROOM	K206	SE	20
☐	1	FAB1	2	HPM ROOM	K216	SE	11
☐							

Common Name or Trade Name: Sodium Hydroxide 25-50%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB1	1	RODI	F101	S	10
☐	1	FAB1	1	Chemical STORAGE	K130	SE	10
☐	0	NOX		TANK STORAGE	NA	W	21
☐	1	FAB1	1	WAREHOUSE	I103	SE	10

Common Name or Trade Name: ~~Sodium~~

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							
☐							

Common Name or Trade Name: Sulfuric Acid 25%-70%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	0	WWTP		FAB1 SIDE	NA	SW	20
☐							
☐							

Common Name or Trade Name: Terramethyl Ammonium Hydroxide

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	1	FAB2	2	Polishing	6D232	C	04
☐	1	FAB2	2	Polishing	6D236	C	04
☐	1	FAB2	2	Dewax chase	6D249	C	04

1732

SCOEPA00051707

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numb
00526

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Concentrated Caustic Waste

Hazardous Ingredient: Sodium Hydroxide

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known
2	2	39	30	0	0	365		6 3	1824	1310-73-2

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Cod
☐	O	WWTP	01	COOLING TWR	N/A	SW	30
☐							
☐							

Common Name or Trade Name:

Hazardous Ingredient:

☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Cod
☐							
☐							
☐							

Common Name or Trade Name:

Hazardous Ingredient:

☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table I	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No / CAS No. if known

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Cod
☐							
☐							
☐							

1731

SCOEPA00051708

Location Form

2002
OREGON STATE FIRE MARSHAL
Additional Location Sheet

Facility ID Number
005268

SECTION E

Enter the information in the [bracketed] areas.

Common Name or Trade Name: ARSINE 10 PPM in Hydrogen

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	2	HAM ROOM	K213	S	10
☐							
☐							
☐							

Common Name or Trade Name: Sodium Hydroxide 25-50%

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐	I	FAB 1	1	WAREHOUSE	I103	SE	11
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							

Common Name or Trade Name:

LOCATION

Delete	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
☐							
☐							
☐							

SCOEPA00051709

Chemical Form

2002
OREGON STATE FIRE MARSHAL
Hazardous Substance Information Survey

Facility ID Numbe
00526

SECTION D Cross off the old or incorrect information and type or print changes or additions in the [bracketed] area.

Common Name or Trade Name: Inhibitor 34

Hazardous Ingredient: Sodium Nitrite

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No
2	2	04	04	04	00	365	R 1 4	9.0		CAS No. if known 7632-00-01

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☒	1	CFB	1	UPW	A105	E	04
Delete ☐	1	CFB	1	CHILLER	A104	W	04
Delete ☐							

Common Name or Trade Name: ~~ABC~~ FIRE Extinguishers - Dry

Hazardous Ingredient: Mono Ammonium Phosphate

☐ 112R
☐ EHS
☐ PSM
☒ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No
1	1	20	20	0	0	365	A R 2 1	9.0		CAS No. if known 7722-76-1

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐	0	Various		NA	NA	V	10
Delete ☐	1	Various		NA	NA	V	20
Delete ☐							

Common Name or Trade Name:

Hazardous Ingredient:

☐ 112R
☐ EHS
☐ PSM
☐ 1-Pure 2-Mixture
☐ No Longer Reportable

Physical State Use Table 1	Units of Measure Use Table II	Avg Amt Code Use Table III	Max Amt Code Use Table III	Amt IN Code Use Table III	Amt OUT Code Use Table III	No Days On Site 3 digits	Storage Code Use Table IV & V	Hazard Class Table VI	UN/NA if known	EPA Pesticide Registration No
										CAS No. if known

LOCATION

	In/Out	Building	Floor	Area	Room	Quadrant	Max Code
Delete ☐							
Delete ☐							
Delete ☐							

1731

SCOEPA00051710

WACKER
Wacker Siltronic Corporation

June 22, 2001

ER029:JC

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

RE: 2000 Toxic Chemical Release Inventory Form R Reports

Enclosed please find a copy of the toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Included is a signed copy of the submittal letter to the EPCRA Reporting Center and one (1) microcomputer diskette containing the Chemical Reports. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We submitted a total of four (4) Chemical Reports for our facility. The chemicals are reported on the regular Form R, as follows:

Chemical Name	Report Year	CAS Number
Hydrogen Fluoride	2000	007664-39-3
Hydrochloric Acid (Aerosols)	2000	007647-01-0
Nitric Acid	2000	007697-37-2
Nitrate Compounds	2000	N511 (Section 313 Category)

Our technical point of contact is James Claxton who can be contacted at (503) 219-7313 if there should be any questions related to these reports.

Sincerely,

WACKER SILTRONIC CORPORATION

J Claxton

James Claxton,
Environmental Engineer

Enclosures
c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00051711

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 972103676
TRI Fac. ID: 97210-WCKRS-7200N
06/20/2001

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **4** Chemical Report(s) for our facility.
These **4** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	2000	7664393	5-page Form R
HYDROCHLORIC ACID (1995 AND AFTER "ACID	2000	7647010	5-page Form R
NITRIC ACID	2000	7697372	5-page Form R
NITRATE COMPOUNDS	2000	N511	5-page Form R

Our technical point of contact is:

JAMES CLAXTON Phone Number: **(503) 219-7313**

and is available if any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00051712

FORM COMPANY **RETAIN A COPY OF THIS SURVEY FOR 3 YEARS**

Due Date: DECEMBER 1, 2000 **2000** Facility ID Number 005268

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A **HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

☒ YES ☐ NO 1. Were there hazardous substances present at this site in reportable quantities during this survey period?

☒ YES ☐ NO 2. Were there Extremely Hazardous Substances (EHS) present at this site that meet the threshold planning quantities during this survey period?

☒ YES ☐ NO 3. Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

SECTION B **DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-MFG
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY AT THIS SITE: MANUFACTURE OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. MANAGER'S NAME: THOMAS C MCCUE
6. SEND TO ATTENTION OF: SUSAN MULHOLLAND [KIRK BENSON]
7. E-MAIL ADDRESS: SUSAN_MULHOLLAND@SILTRONIC.COM [KIRK_BENSON@SILTRONIC.COM]
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: PO BOX 83180 [7200 NW FRONT AVE]
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97283-0180 [97210]
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: 1700
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: KIRK BENSON
15. EMERGENCY CONTACT PHONES: DAY 503-219-7420 NIGHT 503-219-7420
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, WHERE AT SITE: Security
18. ☒ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☐ YES ☒ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☒ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

SUSAN MULHOLLAND
WACKER SILTRONIC CORP

PO BOX 83180
PORTLAND OR 97283-0180

SECTION C **PERSON COMPLETING FORM**
This person will be contacted to answer any questions needing clarificati

1. PRINT NAME: KIRK C. BENSON
2. SIGNATURE (REQUIRED): [signature]
3. DATE: 11-27-00 PHONE NO: 503-243-2020

For office use only R_____ F_____ DE_____ / _____ C_____

OSFMB130

SCOEPA00051713

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

OMMON NAME/TRADE NAME: ABRASIVE ALUMINUM OXIDE
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: ALUMINUM OXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	30	40	00	365	E 1 4 / K 1 4	9.0	1344-28-1
				21							UN/NA NO. (IF KNOWN)

1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: WAREHOUSE, /C105/6D108/ A135

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: ABRASIVE POWDER
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: SILICON CARBIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	30	30	43	00	365	E 1 4 / K 1 4	9.0	1409-21-2
				21							UN/NA NO. (IF KNOWN)

1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: WAREHOUSE-6D115-A133 C111

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: ACETIC ACID 35%
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: ACETIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	10	11	30	00	365	N 1 4 / E 1 4	8.0 6.3	64-19-7
						21					UN/NA NO. (IF KNOWN)
											2789

2 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: 6D103/ 6D110/ ACD STRG E164

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: ACETONE
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: ACETONE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	03	04	10	00	365	N 1 4	3.2 6.3	67-64-1
					03						UN/NA NO. (IF KNOWN)
											1090

1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: A117/A122/C111/D121/A118/ SOL STRG A120 C103 C126 D126 E164 I103

EPA PESTICIDE REGISTRATION NO.

OSFMR121

SCOEPA00051714

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ACTIVATED CARBON
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: CARBON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	21	30	30	00	365	J 1 4 A 1 4	4.5	7440-44-0

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1362

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FACILITIES BUILDING, RODI UP
W

COMMON NAME/TRADE NAME: ALUMINUM SULFATE 48%
[ALUMINUM CHLOROHYDRATE 50%
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: ALUMINUM SULFATE
[ALUMINUM CHLOROHYDRATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	30	00	365	0 1 4 [O] [1] [4] [C] [1] [4]	6.3	10043-01-3 [132-7-41-9]

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 3264

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: AMMONIUM HYDROXIDE 30%
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: AMMONIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	30	00	365	N 1 4 E 1 4	8.0	1336-21-6

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 2672

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: RODI ,F105,F126,A130,C132,K1
15,K203,K206,F104 ACD STRG UPW

COMMON NAME/TRADE NAME: ANTIFOAM SAG 795
[ANTIFOAM SAG 795/710
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: POLYDIMETHYL SILOXANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	11	11	21	00	365	0 1 4 [O] [1] [4] [E] [1] [4]	9.0	

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT
6C105

[WASTE WATER TREATMENT PLANT, 6C105, 6D208, WARE HOUSE

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ARGON
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

EHS [ ] 112(r) [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	30	30	31	20	365	L 2 4	2.2	7440-37-1

1 - PURE [1] 2 - MIXTURE [ ]
1 - NEW [ ] 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOWN): 1006

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOL STRG A001 A104 B127 D124
H120 FACILITIES BLDG

COMMON NAME/TRADE NAME: ARGON LIQUID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

EHS [ ] 112(r) [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	21	30	31	00	365	A 2 7	2.2 6.3	7440-37-1

1 - PURE [1] 2 - MIXTURE [ ]
1 - NEW [ ] 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOWN): 1951

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: BULK CRYO TANK

COMMON NAME/TRADE NAME: ARGON 80%/HELIUM 20%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

EHS [ ] 112(r) [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	20	20	30	20	365	L 2 4	2.2	7440-37-1

2 - MIXTURE [2] 1 - PURE [ ]
1 - NEW [ ] 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOWN): 1006

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D104 D124 F126 /E115/E163/6
C102 SOL STRG

COMMON NAME/TRADE NAME: ARSINE 10 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARSINE

EHS [X] 112(r) [X]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	04	10	10	02	365	L 2 4	2.1 2.3	7784-42-1

2 - MIXTURE [2] 1 - PURE [ ]
1 - NEW [ ] 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOWN): 2188

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FAB 1 HPM ROOM 6C102 6D209

OSFMR121

SCOEPA00051716

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: CALCIUM CHLORIDE FLAKE 77-80%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM CHLORIDE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
1	1	11	20	20	00	365	J 1 4	6.3
		[10]	[10]	[00]				

☒ 1 - PURE ☐ 2 - MIXTURE
☐ 1 - NEW ☐ 2 - NO LONGER REPORTABLE

CAS NO. (IF KNOWN): 10043-52-4
UN/NA NO. (IF KNOWN): 0000
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG, WHSE

[WAREHOUSE]

COMMON NAME/TRADE NAME: CAUSTIC SODA BEADS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
1	1	11	20	21	00	365	J 1 4	6.3 8.0

☒ 1 - PURE ☐ 2 - MIXTURE
☐ 1 - NEW ☐ 2 - NO LONGER REPORTABLE

CAS NO. (IF KNOWN): 1310-73-2
UN/NA NO. (IF KNOWN): 1823
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: OLD NOX

COMMON NAME/TRADE NAME: CHROMIC ACID SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CHROMIC ACID

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
2	2	20	20	11	00	365	N 1 4 C 1 4	8.0

☒ 1 - PURE ☐ 2 - MIXTURE
☐ 1 - NEW ☐ 2 - NO LONGER REPORTABLE

CAS NO. (IF KNOWN): 11115-74-5
UN/NA NO. (IF KNOWN): 1755
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A122 - A131 CHROME TREATMENT BLDG

[CHROME SHED, A-122, A-131]

COMMON NAME/TRADE NAME: CITRIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CITRIC ACID

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
1	1	20	20	30	00	365	N 1 4 J 1 4	6.3

☒ 1 - PURE ☐ 2 - MIXTURE
☐ 1 - NEW ☐ 2 - NO LONGER REPORTABLE

CAS NO. (IF KNOWN): 77-92-9
UN/NA NO. (IF KNOWN): 1759
EPA PESTICIDE REGISTRATION NO.: 2935-50152

STORAGE LOCATIONS AT SITE: WHSE A130

[WHSE, A130, 60108, C105]

OSFMR131

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: CONC. ACID WASTEWATER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X	X	2	2	30	30	00	00	365	A 1 4 B 1 4	8.0 6.3	7664-39-3

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1052

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT, CAD STORAGE TANK, CAD FORWARDING SUMP.

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: DEARBORN 154
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	0 1 4	8.0	1310-73-2

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1719

STORAGE LOCATIONS AT SITE: FACILITIES BLDG

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: DETERGENT Q-9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	11	20	30	00	365	E 1 4 C 1 4	8.0	1310-58-3

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1814

STORAGE LOCATIONS AT SITE: A130/C112/C132/D125/6B105/6C 106/6D104/6D110/ WHSE C105

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: DEVEL A
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORTHO SODIUM SILICATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	N 1 4	9.0	1344-09-8

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE: 6D237-6D239-6D242-E102-E110-WAREHOUSE F103 6D241 6D245

EPA PESTICIDE REGISTRATION NO.:

OSFMR131

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: DIBORANE 25-1000 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIBORANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X	X	3	3	20	21	21	10	365	L 2 4	2.1	1333-74-0

1 - PURE / 2 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1911
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F-126, K203, K206, F124/6C10 2 6D209

[F126, K203, K206, K213, 6C102, DOPANT-FULL, DOPANT-EMPTY]

COMMON NAME/TRADE NAME: DIESEL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	C 1 4	3.3	68476-34-6

1 - PURE / 2 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1993
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FAB 1 & 2 EMERGENCY GENERATORS

COMMON NAME/TRADE NAME: DIPROPYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIPROPYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	31	00	365	D 1 4 R 1 4	9.0	25265-71-8

1 - PURE / 2 - MIXTURE: 1
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 0000
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A133/D125/WHSE SOL STRG C111 / 6D115 WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: DOWFROST GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PROPYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	04	00	365	R 1 4 D 1 4	9.0	57-55-6

1 - PURE / 2 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 0000
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WHSE FAB 2 CHILLING LOOP

OSFMR131

SCOEPA00051719

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ETCHING SOLUTIONS
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: NITRIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X	X	2	2	04	10	04	00	365	R 1 4	8.0 6.3	

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: 6B105-A122-A124-A125

COMMON NAME/TRADE NAME: ETHYLENE GLYCOL
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: ETHYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	D 1 4 R 1 4	6.3 6.4	107-21-1

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 3082

EPA PESTICIDE REGISTRATION NO.: 62719-5

STORAGE LOCATIONS AT SITE: C121 WHSE FAB 1 CHILLING LOO
P

COMMON NAME/TRADE NAME: FERROSOL 332 (DELETE)
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: ORGANOPHOSPHONIC ACID, SODIUM SALT

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	0 1 4	6.3	2809-21-4

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE: 2

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D104

COMMON NAME/TRADE NAME: FERROSOL 335 (DELETE)
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: CITRIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	0 1 4	8.0 6.3	77-92-9

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE: 2

UN/NA NO. (IF KNOWN): 1760

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D104

SCOEPA00051720

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

OMMON NAME/TRADE NAME: GASOLINE
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: TOLUENE

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

1 - NEW, 2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	10	00	365	D 1 4	3.1 6.4	8006-61-9

UN/NA NO. (IF KNOWN): 1203

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FACILITIES/ WASTE STORAGE AR EA

OMMON NAME/TRADE NAME: HELIUM GAS
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: HELIUM

EHS ☐ 112(r) ☐

1 (1 - PURE, 2 - MIXTURE)

1 - NEW, 2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	20	20	30	20	365	L 2 4	2.2	7440-59-7

UN/NA NO. (IF KNOWN): 1046

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D121, F126, K203, A104, B12 7, H120, K115/E163/F124/ SOL STRG

OMMON NAME/TRADE NAME: HYDROCHLORIC ACID 31-37%
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: HYDROCHLORIC ACID

EHS ☐ 112(r) ☒

2 (1 - PURE, 2 - MIXTURE)

1 - NEW, 2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	21	00	365	E 1 4 C 1 4	8.0 6.3	7647-01-0

UN/NA NO. (IF KNOWN): 1789

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F123, K122/E142/E148/H127/ C104/6D228/6D237/6D250/K132 6D242 ACD STRG UPW WHSE ROD1

OMMON NAME/TRADE NAME: HYDROFLUORIC ACID [HYDROFLUORIC ACID, 60%
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS ☒ 112(r) ☒

2 (1 - PURE, 2 - MIXTURE)

1 - NEW, 2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	21	21	00	92	A 1 4 C 1 4	6.1 8.0	7664-39-3

UN/NA NO. (IF KNOWN): 1790

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FAB 2 BULK 6B105 6B110

OSFMR121

SCOEPA00051721

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: HYDROFLUORIC ACID 49%
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

[X] EHS [ ] 112(r)

[2] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	21	30	30	00	365	E 1 4 A 1 4	8.0 6.1	7664-39-3
		[20]	[21]						UN/NA NO. (IF KNOWN) 1790
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: A130, A122, B126, F123, K12 2, B122, C132, A124/E142/6C104/6D227 6D228/6D24 9/FAB 1 BULK/ ACD STRG K121 K132 6D204 6D238 6D242

COMMON NAME/TRADE NAME: HYDROGEN CHLORIDE
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROGEN CHLORIDE

[X] EHS [X] 112(r)

[1] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	30	40	50	31	365	L 2 4	2.2 8.0	7647-01-0
		[31]							UN/NA NO. (IF KNOWN) 1050
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, F126, K203, K206/6C102 6D201 6D209

Add: K213

COMMON NAME/TRADE NAME: HYDROGEN CRYOGENIC
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROGEN

[ ] EHS [X] 112(r)

[1] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	30	30	42	00	365	A 2 7	2.1	1333-74-0
				[43]					UN/NA NO. (IF KNOWN) 1966
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: BULK CRYO TANK

COMMON NAME/TRADE NAME: HYDROGEN PEROXIDE30%
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROGEN PEROXIDE

[ ] EHS [ ] 112(r)

[2] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	30	00	365	N 1 4 E 1 4	5.1 8.0	7722-84-1
									UN/NA NO. (IF KNOWN) 2014
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: F123,/A130/E141/ 6C109/6D220 /6D228/6D237/6D249//6B105/A122/A122/E102/F103/ H127/K121/K130/ACD STRG UPW SOL STRG 6B105/6D108/6D238/6D242 ROD1

OSFMR121

SCOEPA00051722

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL
HAZARDOUS INGREDIENT OF HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

1 - PURE ☑
2 - MIXTURE ☐

1 - NEW ☐
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	11	21	00	365	D 1 4 N 1 4	3.2 6.3	67-63-0

UN/NA NO. (IF KNOWN): 1219

EPA PESTICIDE REGISTRATION NO.: 400-104

STORAGE LOCATIONS AT SITE: SOL STRG 6C105 D125 STORED I N DRUMS IN LOCATIONS NOTED USED FOR CLEANING I N NUMEROUS ROOM ON SITE

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL 10%
HAZARDOUS INGREDIENT OF HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

1 - PURE ☑
2 - MIXTURE ☐

1 - NEW ☐
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	10	00	00	365	N 1 4	3.2 6.3	67-63-0

UN/NA NO. (IF KNOWN): 1219

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: USED FOR CLEANING IN NUMEROUS ROOMS ON SITE

COMMON NAME/TRADE NAME: KEROSENE
HAZARDOUS INGREDIENT OF HIGHEST CONCENTRATION: KEROSENE

EHS ☐ 112(r) ☐

1 - PURE ☑
2 - MIXTURE ☐

1 - NEW ☐
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	11	11	00	365	D 1 4	3.3	8008-20-6

UN/NA NO. (IF KNOWN): 1223

EPA PESTICIDE REGISTRATION NO.: 10182-223

STORAGE LOCATIONS AT SITE: FACILITIES MAINTENANCE WASH RACK, D125

COMMON NAME/TRADE NAME: LIME
HAZARDOUS INGREDIENT OF HIGHEST CONCENTRATION: CALCIUM OXIDE

EHS ☐ 112(r) ☐

1 - PURE ☑
2 - MIXTURE ☐

1 - NEW ☐
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	31	31	50	00	365	A 1 4 C 1 4	6.3	1305-79-9

UN/NA NO. (IF KNOWN): 1910

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

OSFMR121

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: LIME SOLUTION
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: CALCIUM HYDORXIDE

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	21	30	00	00	365	A 1 4 C 1 4	8.0 6.3	10043-52-4

2 - 1 - PURE / 2 - MIXTURE
☐ 1 - NEW / 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: LUDOX, GLANZOX, LEVASIL, RODEL LS1
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: SILICA, COLLOIDAL

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	20	21	40	00	365	E 1 4 J 1 4	6.3 6.4	7631-86-9

2 - 1 - PURE / 2 - MIXTURE
☐ 1 - NEW / 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1346

STORAGE LOCATIONS AT SITE: WAREHOUSE, F103, E102 6D228 6C106

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: LUTENSOL AP 10
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: ALKYLPHENOLETHOXYLATE

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	10	11	20	00	365	C 1 4 E 1 4	6.3	68412-54-4

2 - 1 - PURE / 2 - MIXTURE
☐ 1 - NEW / 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: WAREHOUSE, D125, D123/D121 6D110

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: NITRIC ACID 70%
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: NITRIC ACID

☒ EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	30	30	50	00	365	D 1 4 A 1 4	6.3 8.0	7697-37-2

2 - 1 - PURE / 2 - MIXTURE
☐ 1 - NEW / 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 2031

STORAGE LOCATIONS AT SITE: C132, A130 /FAB 1 & 2 BULK/ 6B110/ ACD STRG A124 C112 K121 K131 6B105 6C104

EPA PESTICIDE REGISTRATION NO.:

OSFMR131

SCOEPA00051724

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: NITROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	31	31	40	21	365	L 2 4	2.2	7727-37-9

1 - PURE 2 - MIXTURE: 1 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1066

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: K203 K206 F126 D121 K117 H12 0 TCS BLDG F124 F125 E115 A104/6D227 SOL STRG

ADD: G110, K213

COMMON NAME/TRADE NAME: NITROGEN CRYOGENIC LIQUID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	21	30	51	00	365	A 2 7 S 2 7	2.2 6.3	7727-37-9

1 - PURE 2 - MIXTURE: 1 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1977

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: BULK CRYO TANK E140

COMMON NAME/TRADE NAME: NITROUS OXIDE 80 PPM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROUS OXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	10	11	11	04	365	L 2 4	2.2 6.3	10024-97-2

2 - PURE 2 - MIXTURE: 2 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1070

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: NOX BLDG/SOL STRG OUTSIDE RO OM E161

COMMON NAME/TRADE NAME: OILS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	N 1 4 A 1 4	4.5 6.3	64742-54-7

2 - PURE 2 - MIXTURE: 2 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1270

EPA PESTICIDE REGISTRATION NO.: 34704-352

STORAGE LOCATIONS AT SITE: OUTSIDE GROWING NEXT TO COOLING TOWER - A001, H120, E109, C121/B101/C111 C133/D121/6C115/6D103/6D104/6D110/B122/C102/D125/E108/WHSE 6C105

OSFMR121

SCOEPA00051725

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: OXYGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: OXYGEN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	11	20	20	04	365	L 2 4	2.2 5.1	7782-44-7
				[20]	[11]						UN/NA NO. (IF KNOWN) 1072

1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: SOL STRG H120

EPA PESTICIDE REGISTRATION NO.

[ADD: H117, H121, D121LT

COMMON NAME/TRADE NAME: PHOSPHINE 5-999 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PHOSPHINE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X	X	3	3	21	30	30	11	365	L 2 4	2.1 2.3	7803-51-2
				[20]	[21]						UN/NA NO. (IF KNOWN) 2199

2 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: F124/F125/F126/K203/K206 6D2 09 6C102

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: POLYFLOC PRODUCTS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	11	00	365	0 1 4	5.1	64742-47-8
											UN/NA NO. (IF KNOWN)

2 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: POTASSIUM CARBONATE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM CARBONATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	20	40	00	365	1 1 4 J 1 4	6.3	584-08-7
											UN/NA NO. (IF KNOWN) 0000

1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: F103, F123, E163, F104/ WHS E 6D108

EPA PESTICIDE REGISTRATION NO.

[ADD: E110, 6D237

OSFMR131

SCOEPA00051726

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1	1	21	30	41	00	365	1 1 4 J 1 4	8.0 6.3	1310-58-3

UN/NA NO. (IF KNOWN): 1813

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C132, 6B110/6D108/6D121 WHSE
C109

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE SOLN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS ☐ 112(r) ☐

2 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	20	20	00	00	365	C 1 4	8.0 6.3	1310-58-3

UN/NA NO. (IF KNOWN): 1814

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C112,C132, A130/6B105/6B110/
6D110/6D121 F104 6D104

COMMON NAME/TRADE NAME: REFRIGERANT 11 (DELETE)
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROFLUOROMETHANE

EHS ☐ 112(r) ☐

2 - PURE
2 - MIXTURE

2 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	1	20	20	10	00	365	D 1 4	2.2 6.3	75-69-4

UN/NA NO. (IF KNOWN): 1078

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOL STRG

COMMON NAME/TRADE NAME: ROKRAMAR
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: MALEIC RESIN

EHS ☐ 112(r) ☐

2 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1	1	20	20	21	00	365	J 1 4	9.0	

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F104, C122, WHSE

OSFMR131

SCOEPA00051727

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

OMMON NAME/TRADE NAME: RP TEAM
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: DIETHANOLAMINE

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: 2

1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	03	10	11	00	365	E 1 4	9.0	111-42-2
		04	04						UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: D123, WHSE

OMMON NAME/TRADE NAME: SILANE
'AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: SILANE

EHS ☒ 112(r) ☐

1 - PURE / 2 - MIXTURE: 1

1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	10	11	30	00	365	L 2 4	2.1 4.4	7803-62-5
		20	20						UN/NA NO. (IF KNOWN)
									2203
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: SOUTH YARD SILANE BUILDING/G
110 6D227

OMMON NAME/TRADE NAME: SILICON HYPERPURE CHIPS
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: SILICON

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: 1

1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	20	30	31	00	365	K 1 4	6.3 6.4	7440-21-3
									UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: C110/WHSE

OMMON NAME/TRADE NAME: SKY WAX SKYLIQUID WAX
IAZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: TOLUENE

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: 2

1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	11	20	00	365	N 1 4	3.2	108-88-3
									UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: C105 C122 E102 F103 F104 6D2
39 SOL STRG 6C105 6D241 6D242 6D245 6D267 6D26
8

OSFMR131

SCOEPA00051728

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: SODIUM CHLORITE 25%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM CHLORITE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	A 1 4 C 1 4	5.1 6.3	7758-19-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE
UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.: 9150-7-33003

STORAGE LOCATIONS AT SITE: NOX BLDG

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE 25-50%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	30	30	31	00	365	E 1 4 A 1 4	8.0 6.3	1310-73-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE
UN/NA NO. (IF KNOWN): 1824
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT
F101, NOX BUILDING, 6C107/6D237WHSE UPW

[ADD: FAB 2 TCS SCRUBBER

COMMON NAME/TRADE NAME: SODIUM METABISULFITE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	10	11	20	00	365	J 1 4	6.3	7681-57-4

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE
UN/NA NO. (IF KNOWN): 2693
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WHSE UPW ROD1 ~~SHROME TREATME~~
~~NT BLDG~~

[WHSE, UPW, ROD1

COMMON NAME/TRADE NAME: SODIUM METABISULFITE SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	00	00	365	C 1 4	6.3	7681-57-4

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE
UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: ROD1 UPW

OSFMP121

SCOEPA00051729

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: SODIUM SULFIDE 10%
HAZARDOUS INGREDIENT
WITH HIGHEST CONCENTRATION: SODIUM SULFIDE

EHS [ ] 112(r) [ ]
[2] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
2	2	20	20	30	00	365	A 1 4 C 1 4	8.0 6.3

CAS NO. (IF KNOWN): 1313-82-2
UN/NA NO. (IF KNOWN): 1849
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: NOX BUILDING

COMMON NAME/TRADE NAME: STEPANOL AM
HAZARDOUS INGREDIENT
WITH HIGHEST CONCENTRATION: ALKYL SULFATE

EHS [ ] 112(r) [ ]
[2] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
2	2	10	10	11	00	365	E 1 4	9.0

CAS NO. (IF KNOWN):
UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A130/B122/6B110 WHSE 6B105

COMMON NAME/TRADE NAME: SULFURIC ACID 66 BE
HAZARDOUS INGREDIENT
WITH HIGHEST CONCENTRATION: SULFURIC ACID

[X] EHS [ ] 112(r) [ ]
[2] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
2	2	20	30	30	00	365	A 1 4 N 1 4	8.0 6.3

CAS NO. (IF KNOWN): 7664-93-9
UN/NA NO. (IF KNOWN): 1830
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F101/NOX BLDG/WASTE WATER TR
EATM PLANT/B125/6D237 ACD STRG

COMMON NAME/TRADE NAME: TETRAMETHYLAMMONIUM HYDROXIDE
HAZARDOUS INGREDIENT
WITH HIGHEST CONCENTRATION: TETRAMETHYLAMMONIUM HYDROXIDE

EHS [ ] 112(r) [ ]
[2] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)
2	2	20	20	30	00	365	N 1 4 E 1 4	8.0

CAS NO. (IF KNOWN): 75-59-2
UN/NA NO. (IF KNOWN): 1835
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: E144/E141/E148/H127/F123/6C1
06/6D118/6D228/ 6D249/6B105/ ACD STRG SOL STRG
E102 E138 6D204 6D238 6D242

OSFMR121

SCOEPA00051730

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: TRICHLOROSILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROSILANE

EHS [X] 112(r)

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	3	31	31	41	30	365	L 2 4	3.2 4.3	10025-78-2
[3]	[2]	[20]	[20]	[30]	[21]				UN/NA NO. (IF KNOWN)
									1295
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: K206/F126/6C101/6C102 SOL ST
RG 6D209

COMMON NAME/TRADE NAME: TURCO CAVICLEAN #2 (DELETE)
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM DODECYLBENZENESULFONATE

EHS [ ] 112(r) [ ]

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	10	10	00	365	D 1 4	6.3	25155-30-0
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]			UN/NA NO. (IF KNOWN)
									0000
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: C102, WAREHOUSE/G101

COMMON NAME/TRADE NAME: VACUUM CLEANER DUST
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ANTIMONY TRIOXIDE

EHS [ ] 112(r) [ ]

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	11	20	00	21	365	D 1 4	9.0	
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]			UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: A104/ WEST SIDE OF FAB 1 BL
DG

COMMON NAME/TRADE NAME: VANWET 9N9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NONYLPHENOL SURFACTANT

EHS [ ] 112(r) [ ]

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	11	11	20	00	365	E 1 4	6.3	9016-45-9
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]			UN/NA NO. (IF KNOWN)
									0000
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: D125, /A130/E144/F105/K203/6C106/6D228/ A117 C112 F126 K121 K206 H127 6D204 6B105 WHSE

SCOEPA00051731

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: VECTOR HTR & HTS

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: TRIETHANOLAMINE

EHS ☐ 112(r) ☐

2 - 1 - PURE, 2 - MIXTURE

1 - NEW, 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	21	00	365	C 1 4 E 1 4	4.5 6.4	102-71-6

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D125, C112/6D104/6D108/C105/ D123 6C105 WHSE

COMMON NAME/TRADE NAME: WASTE ALCOHOL

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

2 - 1 - PURE, 2 - MIXTURE

1 - NEW, 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	00	20	365	D 1 4	3.2 0	67-63-0

UN/NA NO. (IF KNOWN): 1219

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D125 HAZ WASTE STRG

COMMON NAME/TRADE NAME: WASTE CHROMIC SLUDGE (DELETE)

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CALCIUM

EHS ☐ 112(r) ☐

2 - 1 - PURE, 2 - MIXTURE

2 - 1 - NEW, 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	20	20	00	20	365	D 1 4	9.0	7738-94-5

UN/NA NO. (IF KNOWN): 3077

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG, HAZ W ASTE STRG

COMMON NAME/TRADE NAME: WASTE OIL

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBONS

EHS ☐ 112(r) ☐

2 - 1 - PURE, 2 - MIXTURE

1 - NEW, 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	00	21	365	A 1 4 D 1 4	4.5 6.4	64742-54-7

UN/NA NO. (IF KNOWN): 9189

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE H120 OUTSI DE GROWING NEXT TO COOLING TOWER A001 H120 B10 1 E109 C121/A133/C104/C111/C120/C133/D121/E101/G101

OSFMR121

SCOEPA00051732

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: WASTE SOLVENT
HAZARDOUS INGREDIENT WITH HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	03	04	00	10	365	D 1 4	4.5 6.3	8052-41-3

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1993

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: S YARD CHEM STORAGE H120

COMMON NAME/TRADE NAME: WASTE WAX
HAZARDOUS INGREDIENT WITH HIGHEST CONCENTRATION: PARRAFIN WAX

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	1	11	11	00	21	365	D 1 4	3.2	8002-74-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: HAZ WASTE STRG C122 6D239

ADD E101A, 6D239

COMMON NAME/TRADE NAME: ACETYLENE GAS
HAZARDOUS INGREDIENT WITH HIGHEST CONCENTRATION: ACETYLENE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	10	10	11	0	365	L Z 4	2.1	74-86-2

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.: 1001

STORAGE LOCATIONS AT SITE:

H121, D121LT

COMMON NAME/TRADE NAME: ARGON/CARBON DIOXIDE MIXTURE
HAZARDOUS INGREDIENT WITH HIGHEST CONCENTRATION: ARGON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	10	10	11	00	365	L Z 4	2.2	7440-37-1

2 - 1 - PURE, 2 - MIXTURE
1 - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.: 1006

STORAGE LOCATIONS AT SITE:

D121LT

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: [ARGON/HELIUM/CARBON DIOXIDE]
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: [ARGON]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		[3]	[3]	[10]	[10]	[11]	[00]	[365]	[L] [2] [4]	[2.2]	[7440-37-1]
									[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)

[Z] 1 - PURE 2 - MIXTURE [ ]
[1] 1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: [D12ILT]

[1006] EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: [CARBON DIOXIDE]
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: [CARBON DIOXIDE]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		[3]	[3]	[10]	[20]	[20]	[02]	[365]	[L] [2] [4]	[2.2]	[124-38-9]
									[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)

[1] 1 - PURE 2 - MIXTURE [ ]
[1] 1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: [CYL STORAGE]

[1013] EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: [REFRIGERANT, R-22]
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: [CHLORODIFLUOROMETHANE]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		[3]	[1]	[20]	[20]	[20]	[00]	[365]	[L] [2] [4]	[2.2] [6.3]	[75-45-6]
									[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)

[1] 1 - PURE 2 - MIXTURE [ ]
[1] 1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: [CYL STORAGE, GD241, HVAC SHED, GA207]

[1018] EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: [CONTINUUM AEC 3100]
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: [SODIUM MOLYBDATE]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		[2]	[2]	[04]	[10]	[10]	[00]	[365]	[C] [1] [4]	[8.0]	[7631-95-0]
									[E] [1] [4]		UN/NA NO. (IF KNOWN)

[Z] 1 - PURE 2 - MIXTURE [ ]
[1] 1 - NEW 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: [CFB OPS., F101]

[ ] EPA PESTICIDE REGISTRATION NO.

OSFMR121

SCOEPA00051734

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: [CRL-80, MT. HOOD CHEM.]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [CYCLOHEXYLAMINE]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X	X	2	2	04	10	10	0	365	C 1 4 / E 1 4	8.0	108-91-8

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: [CFB OPS, CFB MAINT.]

COMMON NAME/TRADE NAME: [PETROLEUM GREASES, MISC.]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [HEAVY NAPTHENIC DISTILLATE]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	1	10	11	20	00	365	E 1 4 / R 1 4	4.5 6.4	

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: [USED IN NUMEROUS AREAS THROUGHOUT FACILITY]

COMMON NAME/TRADE NAME: [INERGEN]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [CARBON DIOXIDE]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	30	30	00	00	365	L 2 4	2.2	1124-38-9

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): [1013]
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: [D119, 6D119, 6D116, 6A137, ADMIN. 169]

COMMON NAME/TRADE NAME: [LIQUID OXYGEN]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [OXYGEN]

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	2	10	10	20	00	365	L 2 7	2.2 5.1	7782-44-7

1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): [1072]
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: [O2 STATION - FAB 1, O2 STATION - FAB 2]

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: [POLYTREAT 3, MT. HOOD CHEM]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [POTASSIUM HYDROXIDE]

EHS [ ] 112(r) [ ]

2 - 1 - PURE, 2 - MIXTURE [ ]

1 - 1 - NEW, 2 - NO LONGER REPORTABLE [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[2]	[2]	[04]	[10]	[11]	[00]	[365]	[E] [1] [4]	[8] [0]	[1310-58-3]
							[N] [1] [4]		UN/NA NO. (IF KNOWN)
									[1814]
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: [CFB OPS, CFB MAINT.]

COMMON NAME/TRADE NAME: [POTASSIUM DICHROMATE SOLUTION]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [POTASSIUM DICHROMATE]

EHS [ ] 112(r) [ ]

2 - 1 - PURE, 2 - MIXTURE [ ]

1 - 1 - NEW, 2 - NO LONGER REPORTABLE [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[2]	[2]	[04]	[04]	[10]	[00]	[365]	[C] [1] [4]	[6.3] [6.4]	[7778-50-9]
							[N] [1] [4]		UN/NA NO. (IF KNOWN)
									[ ]
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: [A131, A122]

COMMON NAME/TRADE NAME: [PROPANE]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [PROPANE]

EHS [X] 112(r) [ ]

1 - 1 - PURE, 2 - MIXTURE [ ]

1 - 1 - NEW, 2 - NO LONGER REPORTABLE [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[3]	[2]	[11]	[11]	[20]	[00]	[365]	[A] [2] [6]	[3.1] [6.1]	[74-98-6]
							[L] [2] [6]		UN/NA NO. (IF KNOWN)
									[1075]
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: [STORAGE RACK OUTSIDE J101, TANK ADJACENT TO CUB]

COMMON NAME/TRADE NAME: [RO 8000 CHEROKEE]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [PETROLEUM DISTILLATE]

EHS [ ] 112(r) [ ]

2 - 1 - PURE, 2 - MIXTURE [ ]

1 - 1 - NEW, 2 - NO LONGER REPORTABLE [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[2]	[2]	[04]	[04]	[10]	[00]	[365]	[D] [1] [4]	[6.3]	[064742-8]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									[ ]
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: [WASTE WATER TREATMENT PLANT]

FORM
CHEMICAL

SECTION D

2000 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: [LEAD ACID BATTERIES - WET]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [SULFURIC ACID]

[X] EHS [ ] 112(r)

[2] 1 - PURE 2 - MIXTURE [ ]

[1] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[1]	[1]	[30]	[30]	[00]	[00]	[365]	[R] [1] [4]	[6.1] [8.0]	[7664-93-9]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN) [1830]
									EPA PESTICIDE REGISTRATION NO. [ ]

STORAGE LOCATIONS AT SITE

[A102, H115, L116, 6B109, CFB MAINT, PRIMARY GEAR BLDG, ADMIN. 170]
[ ]

COMMON NAME/TRADE NAME: [ ]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [ ]

[ ] EHS [ ] 112(r)

[ ] 1 - PURE 2 - MIXTURE [ ]

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN) [ ]
									EPA PESTICIDE REGISTRATION NO. [ ]

STORAGE LOCATIONS AT SITE

[ ]
[ ]

COMMON NAME/TRADE NAME: [ ]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [ ]

[ ] EHS [ ] 112(r)

[ ] 1 - PURE 2 - MIXTURE [ ]

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN) [ ]
									EPA PESTICIDE REGISTRATION NO. [ ]

STORAGE LOCATIONS AT SITE

[ ]
[ ]

COMMON NAME/TRADE NAME: [ ]
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: [ ]

[ ] EHS [ ] 112(r)

[ ] 1 - PURE 2 - MIXTURE [ ]

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ] [ ] [ ]	[ ] [ ]	[ ]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN) [ ]
									EPA PESTICIDE REGISTRATION NO. [ ]

STORAGE LOCATIONS AT SITE

[ ]

FORM COMPANY **RETAIN A COPY OF THIS SURVEY FOR 3 YEARS**

Due Date: NOVEMBER 30, 1999 1999 Facility ID Numb 005268

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DA

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

- [X] YES [ ] NO Are there hazardous substances present at this site in reportable quantities?
- [X] YES [ ] NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?
- [X] YES [ ] NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?
- [ ] YES [X] NO If you answered YES to ANY of the three above questions, check the NO box and proceed to Section B directly below. Otherwise refer to side B of the enclosed green information sheet.

SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY: MANUFACTURE OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. MANAGER'S NAME: THOMAS C MCCUE
6. SEND TO ATTENTION OF: SUSAN MULHOLLAND
7. E-MAIL ADDRESS: SUSAN_MULHOLLAND@SILTRONIC.COM
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: PO BOX 83180
    CITY: PORTLAND
    COUNTY: MULTNOMAH
    STATE: OR ZIP CODE: 97283-0180
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: ~~1500~~ 1700
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: KIRK BENSON
15. EMERGENCY CONTACT PHONES: DAY 503-219-7420 NIGHT 503-219-74
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. [X] YES [ ] NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: SECURITY
18. [X] YES [ ] NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. [ ] YES [X] NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. [X] YES [ ] NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C PERSON COMPLETING FORM

This person will be contacted to answer any questions needing clarif

SUSAN MULHOLLAND
WACKER SILTRONIC CORP

PO BOX 83180
PORTLAND OR 97283-0180

1. PRINT NAME: SUSAN MULHOLLAND
2. SIGNATURE (REQUIRED): Susan Mulholland
3. DATE: 11/22/99 PHONE NO: (503) 219-713

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: ABRASIVE ALUMINUM OXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALUMINUM OXIDE

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW)
1	1	20	30	40	00	365	E 1 4 K 1 4	9.0	0001344-28-

UN/NA NO. (IF KNOW

EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: WAREHOUSE / C105 / 6D108 / A135

COMMON NAME/TRADE NAME: ABRASIVE POWDER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICON CARBIDE

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
1	1	30	30	43	00	365	E 1 4 K 1 4	9.0	

UN/NA NO. (IF KNOW

EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: WAREHOUSE / 6D115 / A133 / C111

COMMON NAME/TRADE NAME: ACETIC ACID 35%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ACETIC ACID

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
2	2	10	11	30	00	365	N 1 4 E 1 4	8.0 6.3	0000064-19-

UN/NA NO. (IF KNOV: 2789

EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: 6D103 / ~~A122~~ / ~~B126~~ / 6D110 / ACD S TRG / E164

COMMON NAME/TRADE NAME: ACETONE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ACETONE

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOV
2	2	03	04	10	00	365	N 1 4	3.2 6.3	0000067-64

UN/NA NO. (IF KNO: 1090

EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE: A117 / A122 / ~~B122~~ / ~~B125~~ / ~~B101~~ / C11 1 / D121 / A118 / ~~A133~~ / ~~F123~~ SOL STRG / [illegible] / C126 / D106 / E164 / I103

SCOEPA00051739

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

OMMON NAME/TRADE NAME: ACTIVATED CARBON
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: CARBON

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		1	1	21	30	30	00	365	J 1 4 A 1 4	4.5	0007440-44-

1 - PURE 2 - MIXTURE [1] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOW: 1362

STORAGE LOCATIONS AT SITE: FACILITIES BUILDING/ RODI/UP W

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: ALUMINUM SULFATE 48%
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: ALUMINUM SULFATE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	30	00	365	0 1 4	6.3	

1 - PURE 2 - MIXTURE [2] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOV

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: AMMONIUM HYDROXIDE 30%
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: AMMONIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	30	00	365	N 1 4 E 1 4	8.0	0001336-21

1 - PURE 2 - MIXTURE [2] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNO: 2672

STORAGE LOCATIONS AT SITE: RODI /F105 /F126 /A130 /C132 /K1 15 /K203 /K206 /F104 /ACD STRG /UPW

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: ANTIFOAM SAG 795
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: POLYDIMETHYL SILOXANE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOV
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	11	11	21	00	365	0 1 4	9.0	

1 - PURE 2 - MIXTURE [2] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNO

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.

16105

SCOEPA00051740

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: ~~AQUAFLOC 477~~ [POLYFLOC PRODUCTS]
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
	X	2	2	04	04	~~10~~ 11	00	365	0 1 4	5.1	0064742-47-

2 - PURE; 2 - MIXTURE; 1 - NEW; 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: ARGON
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: ARGON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	30	30	31	20	365	L 2 4	2.2	0007440-37-

1 - PURE; 2 - MIXTURE; 1 - NEW; 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW): 1006
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOL STRG/A001/A104/B127/D124/H120/FACILITIES BLDG

COMMON NAME/TRADE NAME: ARGON LIQUID
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: ARGON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW)
		2	2	21	30	31	00	365	A 2 7	2.2 6.3	0007440-37-

1 - PURE; 2 - MIXTURE; 1 - NEW; 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW): 1951
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: BULK CRYO TANK

COMMON NAME/TRADE NAME: ARGON 80%/HELIUM 20%
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: ARGON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW)
		3	3	20	20	30	20	365	L 2 4	2.2	0007440-37

2 - PURE; 2 - MIXTURE; 1 - NEW; 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO): 1006
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D104/D124/F126/E115/E163/6 C102/SOL STRG

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: ARSINE 10 PPM IN HYDROGEN
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ARSINE

EHS [X] 112(r) [X]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
3	3	04	10	10	02	365	L 2 4	2.1 2.3	0007784-42-

2 - 1 - PURE, 2 - MIXTURE
[ ] 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW: 2188

STORAGE LOCATIONS AT SITE: FAB 1 HPM ROOM/6C102/6D209

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: CALCIUM CHLORIDE FLAKE 77-80%
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CALCIUM CHLORIDE

EHS [ ] 112(r) [ ]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1	1	11	20	20	00	365	J 1 4	6.3	0010043-52

2 - 1 - PURE, 2 - MIXTURE
[ ] 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO: 0000

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG/ WHSE

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: CAUSTIC SODA BEADS
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS [ ] 112(r) [ ]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOV
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1	1	11	20	21	00	365	J 1 4	6.3 8.0	0001310-73

1 - 1 - PURE, 2 - MIXTURE
[ ] 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO: 1823

STORAGE LOCATIONS AT SITE: OLD NOX

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: CHROMIC ACID SOLUTION
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CHROMIC ACID

EHS [X] 112(r) [ ]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNO
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	20	20	11	00	365	N 1 4 C 1 4	8.0	0011115-74

2 - 1 - PURE, 2 - MIXTURE
[ ] 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KN: 1755

STORAGE LOCATIONS AT SITE: A122 / A131/CHROME TREATMEN T BLDG

EPA PESTICIDE REGISTRATION NO

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: CITRIC ACID
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: CITRIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		1	1	20	20	30	00	365	N 1 4 J 1 4	8.0	0000077-92-

1 - PURE 2 - MIXTURE [1] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOW): 1759

EPA PESTICIDE REGISTRATION NO.: 2935-50152

STORAGE LOCATIONS AT SITE: WHSE/A130

COMMON NAME/TRADE NAME: CONC. ACID WASTEWATER
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
X		2	2	30	30	00	00	365	A 1 4 B 1 4	8.0 6.3	0007664-39-

1 - PURE 2 - MIXTURE [2] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOW): 1052

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT/ CAD STORAGE TANK/ CAD FORWARDING SUMP.

COMMON NAME/TRADE NAME: DEARBORN 154
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	04	04	10	00	365	0 1 4	8.0	0001310-73-

1 - PURE 2 - MIXTURE [2] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNOW): 1719

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FACILITIES BLDG

COMMON NAME/TRADE NAME: DETERGENT Q-9
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOV
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	11	20	30	00	365	E 1 4 C 1 4	8.0	0001310-58

1 - PURE 2 - MIXTURE [2] 1 - NEW 2 - NO LONGER REPORTABLE [ ]

UN/NA NO. (IF KNO): 1814

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A130/C112/C132/D125/6B105/6C 106/~~6D103~~/6D104/~~6D108~~/6D110/~~B122~~ WHSE ~~C109~~

FORM CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numl 005268

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

OMMON NAME/TRADE NAME: DEVEL A
IAZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: ORTHO SODIUM SILICATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
2 (1 - PURE, 2 - MIXTURE)		2	2	20	20	20	00	365	N 1 4	9.0	0001344-09-
1 - NEW, 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOV

STORAGE LOCATIONS AT SITE 6D237/6D239/6D242/E102/E110/
WAREHOUSE/F103

/6D241/6D245

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: DIBORANE 25-1000 PPM IN HYDROGEN
IAZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: DIBORANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
2 (1 - PURE, 2 - MIXTURE)		3	3	20	21	21	10	365	L 2 4	2.1	0001333-74
1 - NEW, 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOV 1911

STORAGE LOCATIONS AT SITE F-126/K203/K206/F124/6C10
2/6D209

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: DIESEL
IAZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOV
2 (1 - PURE, 2 - MIXTURE)		2	2	20	20	20	00	365	C 1 4	3.3	0068476-34
1 - NEW, 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNO 1993

STORAGE LOCATIONS AT SITE FAB 1 & 2 EMERGENCY GENERATO
RS

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: DIPROPYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIPROPYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOV
1 (1 - PURE, 2 - MIXTURE)		2	2	20	20	31	00	365	D 1 4 R 1 4	6.3	0025265-71
1 - NEW, 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNC 0000

STORAGE LOCATIONS AT SITE A133/D125/WHSE/SOL STRG/C111
/ 6D115/WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO

SCOEPA00051744

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: DOWFROST GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PROPYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	04	00	365	R 1 4	9.0	0000057-55-

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: WHSE/FAB 2 CHILLING LOOP

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: ETCHING SOLUTIONS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITRIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
X		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	04	10	04	00	365	R 1 4	8.0 6.3	

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: 6B105/A122/A124/A125

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: ETHYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ETHYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	20	00	365	D 1 4 R 1 4	6.3 6.4	0000107-21-

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 3082

STORAGE LOCATIONS AT SITE: C121/WHSE/FAB 1 CHILLING LOO
P

EPA PESTICIDE REGISTRATION NO.: 62719-5

COMMON NAME/TRADE NAME: FERROSOL 332
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHOSPHONIC ACID, SODIUM SALT

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	04	04	10	00	365	0 1 4	6.3	0002809-21-

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D104

EPA PESTICIDE REGISTRATION NO.:

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: FERROSOL 335
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CITRIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
		2	2	04	04	10	00	365	0 1 4	8.0 6.3	0000077-92-

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOV: 1760

STORAGE LOCATIONS AT SITE: D104

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: GASOLINE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
X		2	2	04	04	10	00	365	D 1 4	3.1 6.4	0008006-61

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOV: 1203

STORAGE LOCATIONS AT SITE: FACILITIES/ WASTE STORAGE AREA

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: HELIUM GAS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HELIUM

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
		3	3	20	20	30	20	365	L 2 4	2.2	0007440-59

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNO: 1046

STORAGE LOCATIONS AT SITE: D121/ F126/ K203/ A104/ B12 7/ H120/ K115/E163/F124/ SOL STRG

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: HYDROCHLORIC ACID 31-37%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROCHLORIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOV
		2	2	20	20	21	00	365	E 1 4 C 1 4	8.0 6.3	0007647-01

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNC: 1789

STORAGE LOCATIONS AT SITE: F123/ K122/E142/E148/H127/ C104/6D228/6D237/6D250/K132/6D242/ACD STRG/UPW/ WHSE/ROD1

EPA PESTICIDE REGISTRATION NO:

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: HYDROFLUORIC ACID 49%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
X		2	2	21	30	30	00	365	E 1 4 A 1 4	8.0 6.1	0007664-39-

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW): 1790

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A130/ A122/ B126/ F123/ K12
2/ B122/ C132/A124/E142/~~6B110~~/6C104/6D227/6D22
8/6D249/FAB 1/~~8 2~~ BULK/ ~~6B105~~/~~B12~~ ACD STRG/K121/K132/~~6B105~~ 6D204/6D2

COMMON NAME/TRADE NAME: HYDROFLUORIC ACID ~~50%~~ >50%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
X	X	2	2	20	21	~~00~~ 21	~~00~~ 00	~~0~~ 92	A 1 4 C 1 4	8.0 6.1	0007664-39-

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOV): 1052

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FAB 2 BULK

/ 6B105/ 6B110

COMMON NAME/TRADE NAME: HYDROGEN CHLORIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN CHLORIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
X	X	3	3	30	40	50	31	365	L 2 4	2.2 8.0	0007647-01

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOV): 1050

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE
BLDG/ F126/ K203/ K206/6C102/6D201/6D209

COMMON NAME/TRADE NAME: HYDROGEN CRYOGENIC
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOV
	X	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	30	30	42	00	365	A 2 7	2.1	0001333-74

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO): 1966

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: BULK CRYO TANK

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: HYDROGEN PEROXIDE30%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN PEROXIDE

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	20	20	30	00	365	N 1 4 E 1 4	5.1 8.0	0007722-84-

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOW: 2014

STORAGE LOCATIONS AT SITE: F123,/A130/E141/ 6C109/6D220 /6D228/6D237/6D249//6B105/A122/A122/E102/F103/ H127/K121/K130/ACD STRG/UPW/~~R001~~ SOL STRG/6B105/6D108/6D238/6D242 /R001

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	10	11	21	00	365	D 1 4	3.2 6.3	0000067-63

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNO: 1219

STORAGE LOCATIONS AT SITE: SOL STRG/6C105/D125

EPA PESTICIDE REGISTRATION NO.: 400-104

Stored in drums in locations noted.
Used for cleaning in numerous rooms on site.

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL 10%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	10	10	00	00	365	N 1 4	3.2 6.3	0000067-63

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNO: 1219

STORAGE LOCATIONS AT SITE: ~~FOUND IN MAJORITY OF ROOMS O-~~ ~~N SITE~~

EPA PESTICIDE REGISTRATION NO.:

Used for cleaning in numerous rooms on site.

COMMON NAME/TRADE NAME: KEROSENE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: KEROSENE

EHS ☒ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	04	11	11	00	365	D 1 4	3.3	0008008-20

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNC: 1223

STORAGE LOCATIONS AT SITE: FACILITIES MAINTENANCE WASH RACK, D125

EPA PESTICIDE REGISTRATION NO: 10182-223

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: LIME
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM OXIDE

EHS ☐ 112(r) ☐

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	31	31	50	00	365	A 1 4 C 1 4	6.3	0001305-79-

UN/NA NO. (IF KNOWN): 1910

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: LIME SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM HYDORXIDE

EHS ☐ 112(r) ☐

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	21	30	00	00	365	A 1 4 C 1 4	8.0 6.3	0010043-52-

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: LUDOX, GLANZOX, LEVASIL, RODEL LS1
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICA, COLLOIDAL

EHS ☐ 112(r) ☐

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	21	40	00	365	E 1 4 J 1 4	6.3 6.4	0007631-86-

UN/NA NO. (IF KNOWN): 1346

STORAGE LOCATIONS AT SITE: WAREHOUSE / F103 / E102 / 6D228

EPA PESTICIDE REGISTRATION NO.

/6C106

COMMON NAME/TRADE NAME: LUTENSOL AP 10
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALKYLPHENOLETHOXYLATE

EHS ☐ 112(r) ☐

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	11	20	00	365	C 1 4 E 1 4	6.3	0068412-54-

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: WAREHOUSE / D125 / D123/D121 /

6D110

EPA PESTICIDE REGISTRATION NO.

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: NITRIC ACID 70%
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: NITRIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X		2	2	30	30	50	00	365	D 1 4 A 1 4	6.3 8.0	0007697-37-

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 2031

STORAGE LOCATIONS AT SITE: C132/ A130 /FAB 1 & 2 BULK/ 6B110/ ACD STRG/A124/C112/K121/K131/6B105/6C104

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: NITROGEN
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: NITROGEN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	31	31	40	21	365	L 2 4	2.2	0007727-37-

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1066

STORAGE LOCATIONS AT SITE: K203/K206/F126/D121/K117/H12 0/TCS BLDG/F124/F125/E115/A104/6D227/SOL STRG

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: NITROGEN CRYOGENIC LIQUID
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: NITROGEN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	21	30	51	00	365	A 2 7 S 2 7	2.2 6.3	0007727-37

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1977

STORAGE LOCATIONS AT SITE: BULK CRYO TANK E140

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: NITROUS OXIDE 80 PPM
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: NITROUS OXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	10	11	11	04	365	L 2 4	2.2 6.3	0010024-97

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1070

STORAGE LOCATIONS AT SITE: NOX BLDG/SOL STRG OUTSIDE RO OM E161

EPA PESTICIDE REGISTRATION NO.:

SCOEPA00051750

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: OILS
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	20	00	365	N 1 4 A 1 4	4.5 6.3	0064742-54-

2 - 1 - PURE 2 - MIXTURE
☐ - 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1270

STORAGE LOCATIONS AT SITE: OUTSIDE GROWING NEXT TO COOLING TOWER / A001 / H120 / E109 / C121/B101/C111/C133/D121/6C115/6D103/6D104/6D110/B122/C102/D125/E108/WHSE/6C105

EPA PESTICIDE REGISTRATION NO.: 34704-352

COMMON NAME/TRADE NAME: OXYGEN
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: OXYGEN

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	11	20	20	04	365	L 2 4	2.2 5.1	0007782-44-

1 - 1 - PURE 2 - MIXTURE
☐ - 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1072

STORAGE LOCATIONS AT SITE: SOL STRG/H120

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: PHOSPHINE 5-999 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: PHOSPHINE

X EHS X 112(r)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	21	30	30	11	365	L 2 4	2.1 2.3	0007803-51-

2 - 1 - PURE 2 - MIXTURE
☐ - 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 2199

STORAGE LOCATIONS AT SITE: F124/F125/F126/K203/K206/6D2/09/6C102

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: POLYELPH 956
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: ORGANOPHONIC ACID, POTASSIUM SALT

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	10	10	00	365	0 1 4	6.3	0067953-76-

2 - 1 - PURE 2 - MIXTURE
2 - 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: F101

EPA PESTICIDE REGISTRATION NO.:

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: POTASSIUM CARBONATE
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: POTASSIUM CARBONATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	20	40	00	365	I 1 4 J 1 4	6.3 6.4	0000584-08-

1 - PURE 2 - MIXTURE | 1 - NEW 2 - NO LONGER REPORTABLE | UN/NA NO. (IF KNOW): 0000 | EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F103/ F123/ E163/ F104/ WHS E/6D108

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW)
		1	1	21	30	41	00	365	I 1 4 J 1 4	8.0 6.3	0001310-58-

1 - PURE 2 - MIXTURE | 1 - NEW 2 - NO LONGER REPORTABLE | UN/NA NO. (IF KNOW): 1813 | EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C132/ 6B110/6D108/6D121/WHSE/ C109

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE SOLN
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW)
		2	2	20	20	00	00	365	C 1 4	8.0 6.3	0001310-58-

1 - PURE 2 - MIXTURE | 1 - NEW 2 - NO LONGER REPORTABLE | UN/NA NO. (IF KNOW): 1814 | EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C112/C132/ A130/6B105/6B110/ 6D110/6D121/F104/6D104

COMMON NAME/TRADE NAME: REFRIGERANT 11
HAZARDOUS INGREDIENT
OF HIGHEST CONCENTRATION: TRICHLOROFLUOROMETHANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW)
		2	1	20	20	10	00	365	D 1 4	2.2 6.3	0000075-69

1 - PURE 2 - MIXTURE | 1 - NEW 2 - NO LONGER REPORTABLE | UN/NA NO. (IF KNO): 1078 | EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOL STRG

SCOEPA00051752

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

OMMON NAME/TRADE NAME: ROKRAMAR
AZARDOUS INGREDIENT
HIGHEST CONCENTRATION: MALEIC RESIN

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		1	1	20	20	21	00	365	J 1 4	9.0	

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW

STORAGE LOCATIONS AT SITE: F104 / C122 / WHSE

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: RP TEAM
AZARDOUS INGREDIENT
HIGHEST CONCENTRATION: DIETHANOLAMINE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	03	10	11	00	365	E 1 4	9.0	0000111-42-

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW

STORAGE LOCATIONS AT SITE: D123 / WHSE

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: SILANE
AZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SILANE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
	X	USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		3	3	10	11	30	00	365	L 2 4	2.1 4.4	0007803-62-

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW
2203

STORAGE LOCATIONS AT SITE: SOUTH YARD SILANE BUILDING/G
110/6D227

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: SILICON HYPERPURE CHIPS
AZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SILICON

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		1	1	20	30	31	00	365	K 1 4	6.3 6.4	0007440-21

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO

STORAGE LOCATIONS AT SITE: C110/WHSE

EPA PESTICIDE REGISTRATION NO.

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: SKY WAX
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: TOLUENE

EHS [ ] 112(r) [ ]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	10	11	20	00	365	N 1 4	3.2	0000108-88-

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOW

STORAGE LOCATIONS AT SITE: C105/C122/E102/F103/F104/6D2
39/SOL STRG
/6C105/60241/60242/60245/60267/60268

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SODIUM CHLORITE 25%
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SODIUM CHLORITE

EHS [ ] 112(r) [ ]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	20	20	20	00	365	A 1 4 C 1 4	5.1 6.3	0007758-19-

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOV

STORAGE LOCATIONS AT SITE: NOX BLDG

EPA PESTICIDE REGISTRATION NO.: 9150-7-33003

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE 25-50%
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS [ ] 112(r) [ ]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	30	30	31	00	365	E 1 4 A 1 4	8.0 6.3	0001310-73-

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNO
1824

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT
F101/ NOX BUILDING/ 6C107/6D237WHSE/UPW

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SODIUM METABISULFITE
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SODIUM METABISULFITE

EHS [ ] 112(r) [ ]

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOV
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1	1	10	11	20	00	365	J 1 4	6.3	0007681-57

1 - PURE, 2 - MIXTURE: 1
1 - NEW, 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNO
2693

STORAGE LOCATIONS AT SITE: WHSE/UPW/ROD1/SHROME TREATME
NT BLDG

EPA PESTICIDE REGISTRATION NO.

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: SODIUM METABISULFITE SOLUTION
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SODIUM METABISULFITE

[ ] EHS [ ] 112(r) | [2] 1 - PURE 2 - MIXTURE | [ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	00	00	365	C 1 4	6.3	0007681-57-

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: ROD1/UPW

COMMON NAME/TRADE NAME: SODIUM SULFIDE 10%
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SODIUM SULFIDE

[ ] EHS [ ] 112(r) | [2] 1 - PURE 2 - MIXTURE | [ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	30	00	365	A 1 4 C 1 4	8.0 6.3	0001313-82-

UN/NA NO. (IF KNOWN): 1849
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: NOX BUILDING

COMMON NAME/TRADE NAME: STEPANOL AM
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: ALKYL SULFATE

[ ] EHS [ ] 112(r) | [2] 1 - PURE 2 - MIXTURE | [ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	10	11	00	365	E 1 4	9.0	

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A130/B122/6B110/WHSE/6B105

COMMON NAME/TRADE NAME: SULFURIC ACID 66 BE
HAZARDOUS INGREDIENT
HIGHEST CONCENTRATION: SULFURIC ACID

[X] EHS [ ] 112(r) | [2] 1 - PURE 2 - MIXTURE | [ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	30	30	00	365	A 1 4 N 1 4	8.0 6.3	0007664-93-

UN/NA NO. (IF KNOWN): 1830
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F101/NOX BLDG/WASTE WATER TR
EATM PLANT/B125/6D237/ACD STRG

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numl
005268

COMMON NAME/TRADE NAME: TETRAMETHYLAMMONIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TETRAMETHYLAMMONIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
		2	2	20	20	30	00	365	N 1 4 E 1 4	8.0	0000075-59-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOV: 1835
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: E144/E141/E148/H127/F123/6C1 06/6D118/6D228/ 6D249/6B105/ ACD STRG/SOL STRG/ E102/E138/6D204/6D238/6D242

COMMON NAME/TRADE NAME: TRICHLOROSILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROSILANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW
X	X	2	3	31	31	41	30	365	L 2 4	3.2 4.3	0010025-78

1 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO: 1295
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: K206/F126/6C101/6C102/SOL ST RG/6D209

COMMON NAME/TRADE NAME: TURCO CAVICLEAN #2
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM DODECYLBENZENESULFONATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOV
		2	2	04	10	10	00	365	D 1 4	6.3	0025155-30

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO: 0000
EPA PESTICIDE REGISTRATION NO:

STORAGE LOCATIONS AT SITE: C102/WAREHOUSE/G101

COMMON NAME/TRADE NAME: VACUUM CLEANER DUST
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ANTIMONY TRIOXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNO
		1	1	11	20	00	21	365	D 1 4	9.0	

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KN
EPA PESTICIDE REGISTRATION NO

STORAGE LOCATIONS AT SITE: A104/ WEST SIDE OF FAB 1 BL DG

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

COMMON NAME/TRADE NAME: VANWET 9N9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NONYLPHENOL SURFACTANT

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	11	11	20	00	365	E 1 4	6.3	0009016-45-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: D125/A130/E144/F105/K203/6C106/6D228/A117/C112/F126/K121/K206/H127/6D204/6B105/WHSE

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: VECTOR HTR & HTS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRIETHANOLAMINE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	21	00	365	C 1 4 E 1 4	4.5 6.4	0000102-71-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW

STORAGE LOCATIONS AT SITE: D125/C112/6D104/6D108/C105/D123/WHSE

EPA PESTICIDE REGISTRATION NO.

6C105

COMMON NAME/TRADE NAME: WASTE ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	04	04	00	20	365	D 1 4	3.2 0	0000067-63-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW: 1219

STORAGE LOCATIONS AT SITE: D125/HAZ WASTE STRG

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: WASTE CHROMIC SLUDGE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		1	1	20	20	00	20	365	D 1 4	9.0	0007738-94-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW: 3077

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG/HAZ WASTE STRG

EPA PESTICIDE REGISTRATION NO.

SCOEPA00051757

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb
005268

OMMON NAME/TRADE NAME: WASTE OIL
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	00	21	365	A 1 4 D 1 4	4.5 6.4	0064742-54-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW): 9189

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE/~~STET~~ H120/OUTSIDE GROWING NEXT TO COOLING TOWER/A001/H120/B101/E109/C121/A133/C104/C111/C120/C133/D121/E101/G101

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: WASTE SOLVENT
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
X		2	2	03	04	00	10	365	D 1 4	4.5 6.3	0008052-41-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOW): 1993

STORAGE LOCATIONS AT SITE: S YARD CHEM STORAGE/H120

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME: WASTE WAX
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION: PARRAFIN WAX

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	1	11	11	00	21	365	D 1 4	3.2	0008002-74-

2 - 1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOV

STORAGE LOCATIONS AT SITE: HAZ WASTE STRG/C122/6D239

EPA PESTICIDE REGISTRATION NO.

OMMON NAME/TRADE NAME:
AZARDOUS INGREDIENT
N HIGHEST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOW
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	

1 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNO

STORAGE LOCATIONS AT SITE:

EPA PESTICIDE REGISTRATION NO.

SCOEPA00051758

WACKER
Wacker Siltronic Corporation

Office of State Fire Marshal
Survey Unit
4760 Portland Road NE
Salem, OR 97305-1760

June 17, 1999 ER129:SM

Subject: Substantive Change to Hazardous Substance Information Survey

Enclosed please find a copy of the Company Form from Wacker Siltronic Corp's November 1998 Hazardous Substance Information Survey. Also enclosed is an additional Chemical Form for one new Section D item. The addition of this new item and the "X" in the 112(r) box on both the Company and Chemical Forms represent a substantive change.

If you have any questions regarding this submittal, please contact me at (503) 219-7132.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

SCOEPA00051759

ORM COMPANY

Due Date: NOVEMBER 30, 1998 1997-1998 Facility ID Number 005268

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

☑ YES ☐ NO Are there hazardous substances present at this site in reportable quantities?
If yes, complete sections A, B, C, and D. If no, complete sections A, B and C.
A hazardous substance is any substance for which a Material Safety Data Sheet (MSDS) is required. If a previously reported substance is no longer present, see instructions for Section A.

☑ YES ☐ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

☑ YES ☑ NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY: MANUFACTURE OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. MANAGER'S NAME: THOMAS C MCCUE
6. SEND TO ATTENTION OF: SUSAN MULHOLLAND
7. E-MAIL ADDRESS: susan_mulholland@siltronic.com
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: PO BOX 83180
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97283-0180
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: ~~1300~~ 1500
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: ~~TOM MCCUE~~ KIRK OENSON
15. EMERGENCY CONTACT PHONES: DAY ~~503-243-2020~~ 503-219-7420 NIGHT ~~503-243-2020~~ 503-219-7420
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☑ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: _____
18. ☑ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☐ YES ☑ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☑ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C PERSON COMPLETING FORM
This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: Susan Mulholland
2. SIGNATURE (REQUIRED): Susan Mulholland
3. DATE SURVEY COMPLETED: November 20, 1998

WACKER SILTRONIC CORP
PO BOX 83180
PORTLAND OR 97283-0180

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU

SCOEPA00051760

FORM CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Numb

005268

OMMON NAME/TRADE NAME: HYDROFLUORIC ACID ≥ 50%

AZARDOUS INGREDIENT

I HIGHEST CONCENTRATION: HYDROFLUORIC ACID

[X] EHS [X] 112(r)

[ ] 1 - PURE 2 - MIXTURE [2]

[1] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	21	00	00	0	A 1 4	8.0 6.3	0007664-39-

STORAGE LOCATIONS AT SITE

UN/NA NO. (IF KNOW)

FAB 2 BULK

1790

OMMON NAME/TRADE NAME:

AZARDOUS INGREDIENT

N HIGHEST CONCENTRATION:

[ ] EHS [ ] 112(r)

[ ] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE

UN/NA NO. (IF KNOW

OMMON NAME/TRADE NAME:

IAZARDOUS INGREDIENT

N HIGHEST CONCENTRATION:

[ ] EHS [ ] 112(r)

[ ] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW

STORAGE LOCATIONS AT SITE

UN/NA NO. (IF KNOV

OMMON NAME/TRADE NAME:

IAZARDOUS INGREDIENT

N HIGHEST CONCENTRATION:

[ ] EHS [ ] 112(r)

[ ] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOW

STORAGE LOCATIONS AT SITE

UN/NA NO. (IF KNOV

OSFMR131

FORM COMPANY

Due Date: NOVEMBER 30, 1998 1997-1998 Facility ID Number 005268

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

☑ YES ☐ NO Are there hazardous substances present at this site in reportable quantities?
If yes, complete sections A, B, C, and D. **If no,** complete sections A, B and C.
A hazardous substance is any substance for which a Material Safety Data Sheet (MSDS) is required. If a previously reported substance is no longer present, see instructions for Section A.

☑ YES ☐ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

☐ YES ☑ NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY: MANUFACTURE OF SILICON WAFERS
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5. MANAGER'S NAME: THOMAS C MCCUE
6. SEND TO ATTENTION OF: SUSAN MULHOLLAND
7. E-MAIL ADDRESS: susan_mulholland@siltronic.com
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: PO BOX 83180
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97283-0180
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: ~~1300~~ 1500
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: ~~TOM MCCUE~~ KIRK OENSON
15. EMERGENCY CONTACT PHONES: DAY ~~503-243-2020~~ 503-219-7420 NIGHT ~~503-243-2020~~ 503-219-7420
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☑ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: _____
18. ☑ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☐ YES ☑ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☑ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C PERSON COMPLETING FORM
This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: Susan Mulholland
2. SIGNATURE (REQUIRED): Susan Mulholland
3. DATE SURVEY COMPLETED: November 20, 1998

WACKER SILTRONIC CORP
PO BOX 83180
PORTLAND OR 97283-0180

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU

OSFMR 120

SCOEPA00051762

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: ABRASIVE POWDER

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SILICON CARBIDE

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: [1]

1 - NEW / 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	~~21~~ 30	~~21~~ 30	43	00	365	E 1 4 K 1 4	9.0	

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WAREHOUSE-~~6C115~~-A133

6D115

COMMON NAME/TRADE NAME: ~~ACETIC ACID~~ ACETIC ACID 35%

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETIC ACID

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: [2]

1 - NEW / 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	11	30	00	365	N 1 4 E / 4	8.0 6.3	0000064-19-7

UN/NA NO. (IF KNOWN): 2789

STORAGE LOCATIONS AT SITE: 6D103/A122/B126/6D110/ ~~ACID~~ ~~WHSE~~

ACO STRG

COMMON NAME/TRADE NAME: ACETONE

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETONE

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: [1]

1 - NEW / 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	~~04~~ 03	04	10	00	365	N 1 4	3.2 6.3	0000067-64-1

UN/NA NO. (IF KNOWN): 1090

STORAGE LOCATIONS AT SITE: A117/A122/B122/B125/B101/~~C102~~/~~C104~~/C111/D121/~~D125~~/~~F126~~/ SOL STRG

A118, A133, F123

COMMON NAME/TRADE NAME: ACTIVATED CARBON

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CARBON

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: [1]

1 - NEW / 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	21	30	30	00	365	J 1 4 A 1 4	4.5	0007440-44-0

UN/NA NO. (IF KNOWN): 1362

STORAGE LOCATIONS AT SITE: FACILITIES BUILDING, ROD1

UPW

OSFMR121

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: ALKATROL 2025

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CYCLOHEXYLAMINE

EHS ☐ 112(r) ☐

1 - PURE, 2 - MIXTURE: [2]

1 - NEW, 2 - NO LONGER REPORTABLE: [2]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04			365	0 1 4	3.3 6.3	0000108-91-8

UN/NA NO. (IF KNOWN): 1993

STORAGE LOCATIONS AT SITE: WATER TREATMENT

COMMON NAME/TRADE NAME: ~~ALUMINUM OXIDE~~ [ABRASIVE ALUMINUM OXIDE]

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ALUMINUM OXIDE

EHS ☐ 112(r) ☐

1 - PURE, 2 - MIXTURE: [1]

1 - NEW, 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	~~30~~ 20	30	~~40~~	00	365	E 1 4 K 1 4	9.0	0001344-28-1

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: WAREHOUSE, /C105/~~C121~~/6D108/ ~~D121~~

COMMON NAME/TRADE NAME: ~~ALUMINUM SULFATE~~ [ALUMINUM SULFATE 48%]

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ALUMINUM SULFATE

EHS ☐ 112(r) ☐

1 - PURE, 2 - MIXTURE: [2]

1 - NEW, 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	30	00	365	0 1 4	8.0 6.3	0010043-01-3

UN/NA NO. (IF KNOWN): 1760

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: AMMONIUM HYDROXIDE 30%

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: AMMONIUM HYDROXIDE

EHS ☐ 112(r) ☐

1 - PURE, 2 - MIXTURE: [2]

1 - NEW, 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	30	00	365	N 1 4 E / 4	8.0	0001336-21-6

UN/NA NO. (IF KNOWN): 2672

STORAGE LOCATIONS AT SITE: ~~S YD CHEM STRGE~~, R0D1 ~~F101~~, F105, F126, A130, C132, K115, K203, K206, F104

ACD STRG, GPW

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: AQUAFLOC 477

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS: [X] 112(r): [ ]

2 (1 - PURE, 2 - MIXTURE)

[ ] (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	10	00	365	0 1 4	5.1	0064742-47-8

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: ~~ARGON~~ [ARGON CRYOGENIC]

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ARGON

EHS: [ ] 112(r): [ ]

1 (1 - PURE, 2 - MIXTURE)

[ ] (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
~~3~~ 2	~~3~~ 2	~~40~~ 21	~~50~~ 30	31	00	365	~~1 2 7~~ A 2 7	2.2	0007440-37-1

UN/NA NO. (IF KNOWN): 1006

STORAGE LOCATIONS AT SITE: ~~S YARD STORAGE BLDG, H123, H120, A001, F126, D124, H117, B127, FACILITIES MAINT W ASH RACK~~, BULK CRYO TANK

COMMON NAME/TRADE NAME: ARGON 80%/HELIUM 20%

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ARGON

EHS: [ ] 112(r): [ ]

~~1~~ 2 (1 - PURE, 2 - MIXTURE)

[ ] (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	20	20	30	~~00~~ 20	365	L 2 4	2.2	0007440-37-1

UN/NA NO. (IF KNOWN): 1006

STORAGE LOCATIONS AT SITE: ~~S YD CHEM STORAGE~~ D104 D124 F126 /~~A104~~/E115/E163/6C102

SOL STRG

COMMON NAME/TRADE NAME: ~~ARSINE~~ [ARSINE 10ppm IN HYDROGEN]

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ARSINE

EHS: [X] 112(r): [X]

2 (1 - PURE, 2 - MIXTURE)

[ ] (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	04	~~04~~ 10	10	02	365	L 2 4	2.3 2.1	0007784-42-1

UN/NA NO. (IF KNOWN): 2188

STORAGE LOCATIONS AT SITE: FAB 1 HPM ROOM

6C102, 60209

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: CALCIUM CHLORIDE FLAKE 77-80%

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CALCIUM CHLORIDE

EHS [ ] 112(r) [ ]

[2] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	11	20	20	00	365	J 1 4	6.3	0010043-52-4

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG, ~~E163/ G101~~

WAREHOUSE

COMMON NAME/TRADE NAME: CAUSTIC SODA BEADS

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS [ ] 112(r) [ ]

[1] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	~~20~~ 11	20	21	00	365	J 1 4	6.3 8.0	0001310-73-2

UN/NA NO. (IF KNOWN): 1823

STORAGE LOCATIONS AT SITE: ~~WASTEWATER TREATMENT ROOM,/~~ OLD NOX

COMMON NAME/TRADE NAME: CHROMIC ACID SOLUTION

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CHROMIC ACID

[X] EHS [ ] 112(r) [ ]

[2] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	~~04~~ 20	~~04~~ 20	11	00	365	N 1 4 ~~A~~ 1 4 C	8.0	0011115-74-5

UN/NA NO. (IF KNOWN): 1755

STORAGE LOCATIONS AT SITE: A122 - A131

CHROME TREATMENT BLDG

COMMON NAME/TRADE NAME: CITRIC ACID

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CITRIC ACID

EHS [ ] 112(r) [ ]

[1] 1 - PURE 2 - MIXTURE

[ ] 1 - NEW 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	20	20	30	00	365	N 1 4 J / 4	8.0	0000077-92-9

UN/NA NO. (IF KNOWN): 1759

STORAGE LOCATIONS AT SITE: ~~G101~~ A130

WAREHOUSE

OSFMR101

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: CONC. ACID WASTEWATER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X		2	2	30	30	00	00	365	A 1 4 / B 1 4	8.0 6.3	0007664-39-3

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT, CAD STORAGE TANK, CAD FORWARDING SUMP.

UN/NA NO. (IF KNOWN): 1052

COMMON NAME/TRADE NAME: DEARBORN 154
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	0 1 4	8.0	0001310-73-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: FACILITIES BLDG

UN/NA NO. (IF KNOWN): 1719

COMMON NAME/TRADE NAME: DEARBORN 545
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: MORPHOLINE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04			365	0 1 4	9.0	0000110-91-8

2 - 1 - PURE, 2 - MIXTURE
2 - 1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: B128

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: DETERGENT Q-9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	~~20~~ 11	20	30	00	365	E 1 4 / C 1 4	8.0	0001310-58-3

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: ~~G101~~A130/C112/C132/D125/6B105/~~6B110~~/6C106/6D103/6D104/6D108/6D110/B122

UN/NA NO. (IF KNOWN): 1814

WAREHOUSE, C109

SCOEPA00051767

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: DEVEL A
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORTHO SODIUM SILICATE

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	~~10~~ 20	~~10~~ 20	20	00	365	N 1 4	9.0	0001344-09-8

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: 6D237-6D239-6D242-E102~~/~~-E110 -WAREHOUSE

F103

COMMON NAME/TRADE NAME: DIBORANE ~~20-50~~ PPM IN HYDROGEN [25-1000]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIBORANE

EHS ☒ 112(r) ☒

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	20	~~20~~ 21	21	10	365	L 2 4	2.1	0001333-74-0

UN/NA NO. (IF KNOWN): 1911

STORAGE LOCATIONS AT SITE: F-126, K203, K206, F124~~/F125~~ ~~/TGS BLDG/~~ 6C102

6D209

COMMON NAME/TRADE NAME: DIESEL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

EHS ☒ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	20	00	365	C 1 4	3.3 6.4	0068476-30-2

UN/NA NO. (IF KNOWN): 1993

STORAGE LOCATIONS AT SITE: FAB 1 & 2 EMERGENCY GENERATORS

COMMON NAME/TRADE NAME: DIPROPYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIPROPYLENE GLYCOL

EHS ☐ 112(r) ☐

1 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	~~04~~ 20	~~11~~ 20	31	00	365	D 1 4	6.3	0025265-71-8

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: ~~G101~~/A133/~~6C115~~/D125/~~WASTE S~~ ~~TORAGE~~ (R / 4)

WAREHOUSE, SOL STRG, C111, 60115, WASTEWATER TREATMENT PLANT

OSFMR121

SCOEPA00051768

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: DOWFROST GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PROPYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	04	00	365	~~B~~ 1 4 / R	9.0	0000057-55-6

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: ~~G101~~ / ~~SOUTHYARD~~ / ~~SOUTH CONTRA~~ ~~GTOR YARD~~

WAREHOUSE, FAB 2 CHILLING LOOP

COMMON NAME/TRADE NAME: ETCHING SOLUTIONS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITRIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X		2	2	04	10	04	00	365	R 1 4	8.0 6.3	

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: 6B105-A122-A124-A125

COMMON NAME/TRADE NAME: ETHYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ETHYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	~~10~~ 20	~~10~~ 20	20	00	365	D 1 4 / R V ~~4~~	4.5 6.3	0000107-21-1

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 3082

STORAGE LOCATIONS AT SITE: C121 / ~~C101~~ /

WAREHOUSE, FAB 1 CHILLING LOOP

COMMON NAME/TRADE NAME: FERROSOL 332
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHOSPHONIC ACID, SODIUM SALT

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	/0	00	365	0 1 4	6.3	0002809-21-4

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D104

OSFMR121

SCOEPA00051769

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: FERROSOL 335

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CITRIC ACID

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	10	00	365	0 1 4	8.0 6.3	0000077-92-9

[2] 1 - PURE 2 - MIXTURE

☐ 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1760

STORAGE LOCATIONS AT SITE: D104

COMMON NAME/TRADE NAME: GASOLINE

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

EHS [X] 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	10	00	365	D 1 4	3.1 6.3	0008006-61-9

~~1~~ [2] 1 - PURE 2 - MIXTURE

☐ 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1203

STORAGE LOCATIONS AT SITE: FACILITIES/ WASTE STORAGE AREA

COMMON NAME/TRADE NAME: HELIUM GAS

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HELIUM

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	~~41~~ 20	~~41~~ 20	30	20	365	L 2 4	2.2	0007440-59-7

[1] 1 - PURE 2 - MIXTURE

☐ 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1046

STORAGE LOCATIONS AT SITE: D121, F126, K203, A104, B127, H120, K115/E163/F124 ~~/CYLINDER WHSE~~

SOL STRG

COMMON NAME/TRADE NAME: ~~HYDROCHLORIC ACID SOLUTION~~ HYDROCHLORIC ACID 37%

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: HYDROCHLORIC ACID

EHS [X] 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	21	00	365	E 1 4 C 1 4	8.0 6.3	0007647-01-0

[2] 1 - PURE 2 - MIXTURE

☐ 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1789

STORAGE LOCATIONS AT SITE: F123, ~~K121~~, ~~F101~~, ~~N SIDE H AZMAT STORAGE~~/K122/E142/E148/H127/ C104/6D228/ 6D237/6D250/~~E144~~/~~WATER TREATMENT~~/~~WHSE~~

K132, 60242, ACD STRG, UPW, WAREHOUSE, ROOF

OSFMR121

SCOEPA00051770

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: ~~HYDROFLUORIC ACID SOLN~~ [HYDROFLUORIC ACID ≤ 49%]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X		2	2	21	30	[30]	[00]	365	E 1 4 ~~C~~ 1 4 [A]	8.0 6.3	0007664-39-3

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: A130, A122, B126, F123, K122, B122, C132, ~~N SIDE HAZMAT STORAGE~~/A124/E142/6B110/6C104/6D227/ 6D228/~~6D237~~/6D249/~~6D250~~/FAB 1 & 2 BULK/~~E115~~/6[ACD STRG, K121, K132, 6B105, 6D204, 6D238, 6D242]

UN/NA NO. (IF KNOWN): 1790

COMMON NAME/TRADE NAME: HYDROGEN CHLORIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN CHLORIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X	X	3	3	~~40~~ 30	40	[50]	[31]	365	L 2 4	2.2 8.0	0007647-01-0

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, F126, K203, K206/6C102[6D201, 6D209]

UN/NA NO. (IF KNOWN): 1050

COMMON NAME/TRADE NAME: HYDROGEN CRYOGENIC
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
	X	~~3~~ 2	~~3~~ 2	~~50~~ 30	~~50~~ 30	[42]	[00]	365	A 2 7 ~~S 2 7~~	2.1	0001333-74-0

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: ~~BULK TANK S YD~~ [BULK CRYO TANK]

UN/NA NO. (IF KNOWN): 1966

COMMON NAME/TRADE NAME: HYDROGEN PEROXIDE30%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN PEROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	[30]	[00]	365	N 1 4 [E] [1] [4]	5.1 8.0	0007722-84-1

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: ~~S YARD CHEM STOR BLDG~~, ~~F101~~, ~~C102~~, F123, ~~B125~~, ~~N SIDE HAZMAT STOR~~/~~K12~~2/~~E148~~/~~E138~~/A130/E141/ ~~6B110~~/6C109/6D220/6D228/6D237/6D249/~~6D250~~/6B1[A122, E102, F103, H127, K121, K130, ACD STRG, GPW, R001, SOL STRG, 6B105, 6D168, 6D238, 6D242]

UN/NA NO. (IF KNOWN): 2014

OSFMR131

SCOEPA00051771

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: INTEGRITY FLOOR PRODUCTS

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: MODIFIED ACRYLIC POLYMERS

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04			365	E 1 4	9.0	

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE: 2

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D125

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	10	11	21	00	365	D 1 4 ~~E 1 4~~	3.2 6.3	0000067-63-0

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1219

STORAGE LOCATIONS AT SITE: ~~S YD CHEM STORAGE D125 H127 K119 E110 A112 K101 C111/ UBIQUITOUS ON SITE/ TOO MANY ROOMS TO NAME~~ SOL STRG, 6C105

COMMON NAME/TRADE NAME: KEROSENE

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ~~KEROSENE~~ PETROLEUM DISTILLATES

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X		2	2	04	~~10~~ 11	11	00	365	D 1 4	3.3	0008008-20-6

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1223

STORAGE LOCATIONS AT SITE: FACILITIES MAINTENANCE WASH RACK, D125

COMMON NAME/TRADE NAME: LIME

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CALCIUM OXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	31	31	50	00	365	A 1 4 C 1 4	6.3	0001305-79-9

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1910

STORAGE LOCATIONS AT SITE: ~~E163~~ WASTE WATER TREATMENT PLANT

OSFMR121

SCOEPA00051772

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: LIME SOLUTION

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CALCIUM HYDORXIDE

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	21	30	00	00	365	A 1 4 C 1 4	8.0 6.3	0010043-52-4

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WATER TREATMENT PLANT

↑ WASTE

COMMON NAME/TRADE NAME: LUDOX, GLANZOX, LEVASIL, RODEL ~~LS1~~

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SILICA, COLLOIDAL

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	~~20~~ 21	40	00	365	E 1 4 T 1 4	6.3 6.4	0007631-86-9

UN/NA NO. (IF KNOWN): 1346

STORAGE LOCATIONS AT SITE: WAREHOUSE, F103, ~~E101~~, E102

60228

COMMON NAME/TRADE NAME: LUTENSOL AP 10

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ALKYLPHENOLETHOXYLATE

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	~~20~~ 10	~~20~~ 11	20	00	365	C 1 4 E 1 4	6.3	0068412-54-4

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: WAREHOUSE, D125, D123/D121

60110

COMMON NAME/TRADE NAME: NITRIC ACID 70%

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: NITRIC ACID

X EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	30	30	50	00	365	D 1 4 ~~M~~ 1 4	6.3 8.0	0007697-37-2

UN/NA NO. (IF KNOWN): 2031

STORAGE LOCATIONS AT SITE: ~~SOUTH YARD CHEMICAL STORAGE BLDG BULK TANK~~, C132, ~~K122~~, ~~B122~~, A130~~M~~ ~~/E115~~ /FAB 1 & 2 BULK/ 6B110/~~ACID STRG~~/ ~~B119~~

ACD STRG, A124, C112, K121, K131, 6B105, 6C104

OSFMR121

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: NITROGEN CRYOGENIC LIQUID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1							A 2 7		
~~3~~ 2	~~3~~ 2	~~42~~ 21	~~31~~ 30	51	00	365	S 2 7	2.2 6.3	0007727-37-9

UN/NA NO. (IF KNOWN): 1977

STORAGE LOCATIONS AT SITE: ~~BULK TANK S YD BULK TANK W~~ Y ~~D A125~~

BULK CRYO TANK, E140

COMMON NAME/TRADE NAME: NITROGEN ~~GAS~~
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1							L 2 4		
3	3	31	31	40	21	365		2.2	0007727-37-9

UN/NA NO. (IF KNOWN): 1066

STORAGE LOCATIONS AT SITE: ~~S YD CHEM STORAGE~~ K203 K206 F126 D121 K117 H120 TCS BLDG F124 F125 E115 A1 04/6D227

SOL STRG

COMMON NAME/TRADE NAME: ~~NITROUS OXIDE~~ NITROUS OXIDE 80 PPM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROUS OXIDE

EHS ☐ 112(r) ☐

~~1~~ 2 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
							L 2 4		
3	3	~~21~~ 10	~~21~~ 11	11	04	365		2.2 6.3	0010024-97-2

UN/NA NO. (IF KNOWN): 1070

STORAGE LOCATIONS AT SITE: ~~E165~~, NOX BLDG/~~D125~~/~~E163~~

SOL STRG, OUTSIDE Room E161

COMMON NAME/TRADE NAME: OILS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

EHS ☐ 112(r) ☐

2 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2							N 1 4		
2	2	20	20	20	00	365	A 1 4	4.5 6.3	0064742-54-7

UN/NA NO. (IF KNOWN): 1270

STORAGE LOCATIONS AT SITE: ~~S YD CHEM BLDG~~, OUTSIDE GROWING NEXT TO COOLING TOWER - A001, H120, E109, C121/B101/C111 C133/D121/6C115/6D103/6D104/6D110/B122/C102/D125/E108/

WAREHOUSE

OSFMR131

SCOEPA00051774

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: OXYGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: OXYGEN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	~~30~~ 11	~~30~~ 20	20	~~04~~	365	L 2 4	2.2 5.1	0007782-44-7

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1072

STORAGE LOCATIONS AT SITE: ~~SOUTH YARD CHEMICAL STORAGE BLDG/CYLINDER WHSE~~

SOL STRG, H120

COMMON NAME/TRADE NAME: ~~PHOSPHINE~~ PHOSPHINE 5-999 ppm IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PHOSPHINE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X	X	3	3	~~30~~ 21	30	30	11	365	L 2 4	2.1 2.3	0007803-51-2

1 - PURE 2 - MIXTURE: ~~1~~ 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 2199

STORAGE LOCATIONS AT SITE: F124/F125/F126/K203/K206

6D209, 6C102

COMMON NAME/TRADE NAME: POLYELPH 956
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHONIC ACID, POTASSIUM SALT

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	10	10	10	00	365	0 1 4	6.3	0067953-76-8

2 - PURE 1 - MIXTURE:
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: F101

COMMON NAME/TRADE NAME: POTASSIUM CARBONATE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM CARBONATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	20	40	00	365	1 1 4	6.3 6.4	0000584-08-7

~~2~~ 1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: F103, ~~E110~~, F123, E163, F104 /~~E138~~/~~G101~~

WAREHOUSE, 6D108

OSFMR131

SCOEPA00051775

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS ☐ 112(r) ☐

1 - PURE, 2 - MIXTURE: [1]

1 - NEW, 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	~~20~~ 21	~~20~~ 30	~~4~~ 1	00	365	I 1 4 / J 1 ~~4~~	8.0 6.3	0001310-58-3

UN/NA NO. (IF KNOWN): 1813

STORAGE LOCATIONS AT SITE: C132, ~~C112~~, ~~F104~~, ~~A130~~/~~E163~~/ ~~G10~~1/6B110/~~6D104~~/6D108/~~6D110~~/6D121

WAREHOUSE, C109

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE SOLUTIONS

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS ☐ 112(r) ☐

2 - PURE, 2 - MIXTURE: [2]

1 - NEW, 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	00	00	365	C 1 4	8.0 6.3	0001310-58-3

UN/NA NO. (IF KNOWN): 1813

STORAGE LOCATIONS AT SITE: C112, C132, A130/6B105/6B110/6D110/6D121

C104, 60104

COMMON NAME/TRADE NAME: REFRIGERANT 11

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: TRICHLOROFLUOROMETHANE

EHS ☐ 112(r) ☐

2 - PURE, 2 - MIXTURE: [2]

1 - NEW, 2 - NO LONGER REPORTABLE: ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
~~3~~ 2	~~2~~ 1	~~04~~ 20	~~04~~ 20	10	00	365	D 1 4	2.2	0000075-69-4

UN/NA NO. (IF KNOWN): 1078

STORAGE LOCATIONS AT SITE: ~~SOUTH YARD CHEMICAL STORAGE BLDG~~

SOC STRG

COMMON NAME/TRADE NAME: RODELENE PREMIX

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ISOPROPANOL

EHS ☐ 112(r) ☐

2 - PURE, 2 - MIXTURE: [2]

2 - NEW, 2 - NO LONGER REPORTABLE: [2]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20			365	E 1 4	9.0	0000067-63-0

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: 6D239-WAREHOUSE

OSFMB131

SCOEPA00051776

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number 005268

COMMON NAME/TRADE NAME: ROKRAMAR
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: MALEIC RESIN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
									J 1 4		
2 - MIXTURE		1	1	20	20	21	00	365		9.0	
1 - NEW / 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: F104, C122, ~~C101~~

WAREHOUSE

COMMON NAME/TRADE NAME: RP TEAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIETHANOLAMINE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
									E 1 4		
2 - MIXTURE		2	2	~~10~~ 03	10	11	00	365		9.0	0000111-42-2
1 - NEW / 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: D123, ~~G101~~

WAREHOUSE

COMMON NAME/TRADE NAME: ~~SAG 710 ANTIFOAM~~ ANTIFOAM SAG 795
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POLYDIMETHYL SILOXANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
									~~E 1 4~~		
2 - MIXTURE		2	2	~~10~~ 11	11	21	00	365	0 1 4	9.0	
1 - NEW / 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: ~~F101~~, WASTE WATER TREATMENT PLANT, ~~C102~~, ~~F127~~, ~~D123~~, ~~G101~~, ~~C132~~

0000

COMMON NAME/TRADE NAME: SILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X									L 2 4		
1 - PURE		3	3	10	11	30	00	365		2.1 4.4	0007803-62-5
2 - MIXTURE / 1 - NEW / 2 - NO LONGER REPORTABLE											UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: SOUTH YARD SILANE BUILDING/G 110

2203

60227

OSFMR131

SCOEPA00051777

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: SILICON HYPERPURE CHIPS
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SILICON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	30	31	00	365	K 1 4	6.3 6.4	0007440-21-3

1 - PURE, 2 - MIXTURE: 1
1 - NEW, 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: C110 ~~G101~~

UN/NA NO. (IF KNOWN):

WAREHOUSE

COMMON NAME/TRADE NAME: ~~SODIUM CHLORITE~~ [SODIUM CHLORITE 25%]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM CHLORITE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	A 1 4 C 1 4	5.1 6.3	0007758-19-2

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: NOX BLDG

UN/NA NO. (IF KNOWN): 1496

COMMON NAME/TRADE NAME: ~~SODIUM HYDROXIDE SOLN~~ [SODIUM HYDROXIDE 25-50%]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	30	30	31	00	365	E 1 4 A 1 4	8.0 6.3	0001310-73-2

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT
~~BULK TANKS~~, F101, NOX BUILDING, ~~G101~~/6C107/6D
237/~~A130~~/~~E146~~

UN/NA NO. (IF KNOWN): 1824

WAREHOUSE, GPW

COMMON NAME/TRADE NAME: SODIUM HYPOCHLORITE 12.5%
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM HYPOCHLORITE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	03	04			365	N 1 4 C 1 4	8.0 5.1	0007681-52-9

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE: 2

STORAGE LOCATIONS AT SITE: FACILITIES BLDG

UN/NA NO. (IF KNOWN): 1791

OSFMR121

SCOEPA00051778

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: SODIUM METABISULFITE

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	10	11	20	00	365	J 1 4	6.3	0007681-57-4

2 - PURE / 1 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: ~~CHROMIC TREATMENT BLDG, F-10~~ ~~11G101~~

WAREHOUSE, UPW, ROOI, CHROME TREATMENT BLDG

COMMON NAME/TRADE NAME: SODIUM METABISULFITE SOLUTION

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	00	00	365	C 1 4	6.3	0007681-57-4

2 - PURE / 1 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: ~~F101~~

ROOI, UPW

COMMON NAME/TRADE NAME: ~~SODIUM SULFIDE~~ SODIUM SULFIDE 10%

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM SULFIDE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	30	00	365	A 1 4 C 1 4	8.0 6.3	0001313-82-2

2 - PURE / 1 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1849

STORAGE LOCATIONS AT SITE: NOX BUILDING

COMMON NAME/TRADE NAME: STEPHANOL AM

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ALKYL SULFATE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
~~1~~ 2	~~1~~ 2	~~04~~ 10	~~04~~ 10	11	00	365	E 1 4	9.0	

2 - PURE / 1 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: A130 ~~G101~~ / B122 / 6B110

WAREHOUSE, 6B105

OSFMR121

SCOEPA00051779

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: ~~SULFURIC ACID~~ [SULFURIC ACID 66BE]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SULFURIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X		2	2	~~30~~ 20	30	30	06	365	A 1 4 ~~M~~ 1 4 W	8.0 6.3	0007664-93-9

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1830

STORAGE LOCATIONS AT SITE: F101/NOX BLDG/~~ACID WHSE~~/WAST E WATER TREATM PLANT/~~E146~~/B125/6D237

[ACD STRG]

COMMON NAME/TRADE NAME: TERGITOL MIN-FOAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SECONDARY ALCOHOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04			365	D 1 4	6.3 6.4	0068551-14-4

2 - 1 - PURE, 2 - MIXTURE
~~2~~ 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: G101/F105/6D220

COMMON NAME/TRADE NAME: TETRAMETHYLAMMONIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TETRAMETHYLAMMONIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	30	00	365	N 1 4 E 1 4	8.0	0000075-59-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1835

STORAGE LOCATIONS AT SITE: ~~F105~~, ~~F127~~ ~~ACID STORAGE AREA~~ /E144/E141/~~E146~~/E148/H127/F123/6C106/6D118/6D228/~~6D237~~/~~D239~~/6D249/~~6D250~~/6B105/~~6B110~~

[ACD STRG, SOL STRG, E102, E138, 60204, 60238, 60242]

COMMON NAME/TRADE NAME: TRICHLOROSILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROSILANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
X		2	~~2~~ 3	~~10~~ 31	~~11~~ 31	~~4~~/1	30	365	L 2 4	3.1 4.3	0010025-78-2

~~2~~ 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1295

STORAGE LOCATIONS AT SITE: ~~SOUTH YARD CHEMICAL STORAGE BLDG~~, ~~EPI GAS STORAGE~~/K206/~~F124~~/~~F125~~/F126/6C101/6C102

[SOL STRG, 60209]

OSFMR131

SCOEPA00051780

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: TRIPLE POWER

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: MONOETHANOLAMINE

EHS ☐ 112(r) ☐

2 - PURE / 2 - MIXTURE

2 - NEW / 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04			365	E 1 4	9.0	

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D125

COMMON NAME/TRADE NAME: TURCO CAVICLEAN #2

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SODIUM DODECYLBENZENESULFONATE

EHS ☐ 112(r) ☐

2 - PURE / 2 - MIXTURE

1 - NEW / 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	~~10~~ 04	10	10	00	365	D 1 4	6.3	0025155-30-0

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: C102, WAREHOUSE ~~G101~~

COMMON NAME/TRADE NAME: VACUUM CLEANER DUST

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ANTIMONY TRIOXIDE

EHS ☐ 112(r) ☐

2 - PURE / 2 - MIXTURE

1 - NEW / 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	11	20	00	2/	365	D 1 4	9.0	

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: A104/ WEST SIDE OF FAB 1 BL DG

COMMON NAME/TRADE NAME: VANWET 9N9

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: NONYLPHENOL SURFACTANT

EHS ☐ 112(r) ☐

2 - PURE / 2 - MIXTURE

1 - NEW / 2 - NO LONGER REPORTABLE

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	11	11	20	00	365	E 1 4	6.3	0009016-45-9

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: D125, ~~F127~~, ~~A118~~/A130/E144/F105/~~F123~~/K203/~~K205~~/6C106/6D228/~~6D237~~/~~6D250~~

A117, C112, F126, K121, K206, H127, 6D204, 6B105, WAREHOUSE

OSFMR131

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: VANZOL V-1 200

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ETHYL ALCOHOL

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

2 (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	10			365	D 1 4	3.3 6.3	0000064-17-5

UN/NA NO. (IF KNOWN): 1986

STORAGE LOCATIONS AT SITE: D125, S YARD CHEMICAL STORAG E BLDG, E163/

COMMON NAME/TRADE NAME: VECTOR HTR & HTS

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: TRIETHANOLAMINE

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	2/	00	365	~~D~~ E 1 4	4.5 6.4	0000102-71-6

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D125, C112/~~G101~~/6D104/6D108/ C105/~~D121~~/D123

WARE HOUSE

COMMON NAME/TRADE NAME: WASTE ALCOHOL

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

☐ (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	00	20	365	D 1 4	3.2 0	0000067-63-0

UN/NA NO. (IF KNOWN): 1219

STORAGE LOCATIONS AT SITE: ~~S YD CHEM STORAGE D125/~~ HAZ WASTE STRG

COMMON NAME/TRADE NAME: WASTE CHROMIC ACID

HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: CHROMIC ACID

EHS ☐ 112(r) ☐

2 (1 - PURE, 2 - MIXTURE)

2 (1 - NEW, 2 - NO LONGER REPORTABLE)

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	10			365	A 1 4	8.0 6.3	0007738-94-5

UN/NA NO. (IF KNOWN): 1755

STORAGE LOCATIONS AT SITE: A130, CHROME TREATMENT SHED

OSFMR131

SCOEPA00051782

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: WASTE CHROMIC SLUDGE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	20	00	20	365	D 1 4	9.0	0007738-94-5

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: CHROMIC TREATMENT BLDG, ~~SOUTH YARD STORAGE BLDG~~

UN/NA NO. (IF KNOWN): 3077

HAZ WASTE STRG

COMMON NAME/TRADE NAME: WASTE OIL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	00	21	365	A 1 4 D 1 4	4.5 6.4	0064742-54-7

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE ~~OUTSIDE~~ STORE H1
20 OUTSIDE GROWING NEXT TO COOLING TOWER A001
H120 B101 E109 C121/A133/C104/C111/C120/C133/D121/E101/G101

UN/NA NO. (IF KNOWN): 9189

COMMON NAME/TRADE NAME: WASTE SOLVENT
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
	X	2	2	03	04	00	10	365	D 1 4	3.2 6.3	0008052-41-3

1 - PURE, 2 - MIXTURE: 2
1 - NEW, 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: S YARD CHEM STORAGE H120

UN/NA NO. (IF KNOWN): 1993

COMMON NAME/TRADE NAME: WASTE TURPENTINE SUBSTITUTE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROCARBON SOLVENT

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	11	11			365	D 1 4	3.3	0000111-76-2

1 - PURE, 2 - MIXTURE: 2
2 - NEW, 2 - NO LONGER REPORTABLE:

STORAGE LOCATIONS AT SITE: WASTE STORAGE BLDG/H120

UN/NA NO. (IF KNOWN): 1300

OSFMB131

SCOEPA00051783

FORM
CHEMICAL

SECTION D

1997-1998 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: [IPA 10%]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [ISOPROPYL ALCOHOL]

EHS ☐ 112(r) ☐
1 - PURE
2 - MIXTURE [2]
1 - NEW
2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[2]	[2]	[10]	[10]	[00]	[00]	[365]	[N] [1] [4]	[3.2] [6.3]	[0000067-63-0]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									[1219]

STORAGE LOCATIONS AT SITE
[FOUND IN MAJORITY OF ROOMS ON SITE]

COMMON NAME/TRADE NAME: [ARGON]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [ARGON]

EHS ☐ 112(r) ☐
1 - PURE
2 - MIXTURE [1]
1 - NEW
2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[3]	[3]	[30]	[30]	[31]	[20]	[365]	[4] [2] [4]	[2.2] [ ]	[0007440-37-1]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									[1006]

STORAGE LOCATIONS AT SITE
[SOL STRG, A001, A104, C127, D124, H120, FACILITIES BLDG]

COMMON NAME/TRADE NAME: [SKY WAX]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [TOLUENE]

EHS ☐ 112(r) ☐
1 - PURE
2 - MIXTURE [2]
1 - NEW
2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[2]	[2]	[10]	[11]	[20]	[00]	[365]	[N] [1] [4]	[3.2] [ ]	[00000108-88-3]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									[ ]

STORAGE LOCATIONS AT SITE
[C105, C122, E102, F103, F104, 60239, SOL STRG]

COMMON NAME/TRADE NAME: [WASTE WAX]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [TOLUENE]

EHS ☐ 112(r) ☐
1 - PURE
2 - MIXTURE [2]
1 - NEW
2 - NO LONGER REPORTABLE ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[2]	[1]	[11]	[11]	[00]	[21]	[365]	[D] [1] [4]	[3.2] [ ]	[00000108-88-3]
							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN)
									[ ]

STORAGE LOCATIONS AT SITE
[HAZ WASTE STRG, C122, 60239]

OSFMB131

SCOEPA00051784

P 494 524 523

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to State Fire Marshal	
Street & Number 4760 PORTLAND RD, NE	
Post Office, State, & ZIP Code SALEM OR 97305-1760	
Postage	$ 1.64
Certified Fee	1.10
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	
Return Receipt Showing to Whom, Date, & Addressee's Address	1.10
TOTAL Postage & Fees	$ 3.84
Postmark or Date 2-28-97	

PS Form **3800**, April 1995

SCOEPA00051785

Stick postage stamps to article to cover First-Class postage, certified mail fee, and charges for any selected optional services *(See front).*

1. If you want this receipt postmarked, stick the gummed stub to the right of the return address leaving the receipt attached, and present the article at a post office service window or hand it to your rural carrier *(no extra charge).*

2. If you do not want this receipt postmarked, stick the gummed stub to the right of the return address of the article, date, detach, and retain the receipt, and mail the article.

3. If you want a return receipt, write the certified mail number and your name and address on a return receipt card, Form 3811, and attach it to the front of the article by means of the gummed ends if space permits. Otherwise, affix to back of article. Endorse front of article **RETURN RECEIPT REQUESTED** adjacent to the number.

4. If you want delivery restricted to the addressee, or to an authorized agent of the addressee, endorse **RESTRICTED DELIVERY** on the front of the article.

5. Enter fees for the services requested in the appropriate spaces on the front of this receipt. If return receipt is requested, check the applicable blocks in item 1 of Form 3811.

6. Save this receipt and present it if you make an inquiry.

PS Form **3800**, April 1995 *(Reverse)*

SCOEPA00051786

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
DEPT STATE POLICE
Office of State Fire Marshall
Attn: Survey Information System
4760 PORTLAND RD NE
SALEM OR 97305-1760

4a. Article Number
P 494-524 523

4b. Service Type
☐ Registered ☐ Certified
☐ Express Mail ☐ Insured
☒ Return Receipt for Merchandise ☐ COD

7. Date of Delivery JAN 03 1997

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X E Norman

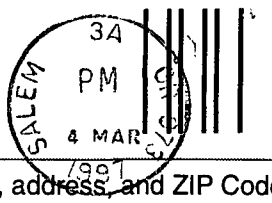
PS Form **3811,** December 1994

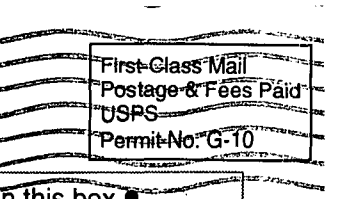
Domestic Return Receipt

Thank you for using Return Receipt Service.

SCOEPA00051787

UNITED STATES POSTAL SERVICE





• Print your name, address, and ZIP Code in this box •

ERIC SPIERING MS 30
WACKER SILTRONIC
POBOX 83180
PORTLAND OR 97283-0180

SCOEPA00051788

WACKER
Wacker Siltronic Corporation

Department of state Police
Office of State Fire Marshal
Attn: Survey Information System
4760 Portland Road, NE
Salem, OR 97305-1760

ER11:ES

February 28, 1997

Dear Sir:

Enclosed is the Hazardous Substance Information Survey for Wacker Siltronic Corporation, facility ID number 005268.

If you have any question regarding this submittal please cal me at 503-219-7132.

Very truly yours,

WACKER SILTRONIC CORPORATION

Eric Spiering
Environmental Engineer

cc: SARA 312 file

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

Due Date: March 1, 1997

FORM COMPANY

1996-1997

Facility ID Number 005268

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A **HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

[X] YES [ ] NO Are there hazardous substances present at this site in reportable quantities? If yes, complete sections B, C, and D. If no, complete sections B and C.

[X] YES [ ] NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

SECTION B **DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY: MANUFACTURE OF SILICON WAFERS

4. DUN & BRADSTREET #: 09-625-3737

5. MANAGER'S NAME: THOMAS C MCCUE

6. SEND TO ATTENTION OF:

7. BUSINESS NAME: WACKER SILTRONIC CORP

8. DEPT OR DIV:

9. SITE ADDRESS:
7200 NW FRONT AVE
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210

10. MAILING ADDRESS:
PO BOX 83180
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97283-0180

11. BUSINESS PHONE: 503-243-2020

12. NUMBER OF EMPLOYEES AT THIS SITE: 1300

13. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: TOM MCCUE

14. EMERGENCY CONTACT PHONES: DAY 503-243-2020 NIGHT 503-243-2020

15. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

16. [X] YES [ ] NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: SECURITY STATION
17. [X] YES [ ] NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
18. [ ] YES [X] NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
19. [ ] YES [X] NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C **PERSON COMPLETING FORM** This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: ERIC SPIERING
2. SIGNATURE (REQUIRED): Eric Spierings
3. DATE SURVEY COMPLETED: FEB 28, 1997

WACKER SILTRONIC CORP
PO BOX 83180
PORTLAND OR 97283-0180

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU

OSFMB130

SCOEPA00051790

FORM CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number: 005268

SECTION D — SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: HYDROGEN CHLORIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN CHLORIDE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE	3	~~0~~ 3	~~10~~ 40	~~11~~ 40	~~01~~ 51	365	L 2 4	2.2 8.0	007647-01-0
1 - NEW 2 - NO LONGER REPORTABLE									

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, F126, K203, K206

[6C102]

UN/NA NO. (IF KNOWN): 1050

COMMON NAME/TRADE NAME: HYDROGEN CRYOGENIC
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE	3	~~0~~ 3	~~21~~ 50	~~21~~ 50	~~41~~ 70	365	A 2 7 S 2 7	2.1	0001333-74-0
1 - NEW 2 - NO LONGER REPORTABLE									

STORAGE LOCATIONS AT SITE: BULK TANK S TD

UN/NA NO. (IF KNOWN): 1966

COMMON NAME/TRADE NAME: HYDROGEN GAS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE	3	3	20	20	30	365	L 2 4	2.1	0001333-74-0
2 - NEW 2 - NO LONGER REPORTABLE									

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE BLDG/F126, K203, K206/G101/F124/F125/K115

UN/NA NO. (IF KNOWN): 1049

COMMON NAME/TRADE NAME: HYDROGEN PEROXIDE30%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN PEROXIDE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE	2	2	20	20	30	365	E 1 4 [N] [1] 4	5.1 8.0	0007722-84-1
1 - NEW 2 - NO LONGER REPORTABLE									

STORAGE LOCATIONS AT SITE: S YARD CHEM STOR BLDG, F101, ~~E110~~, C102, F123, ~~H126, A125~~, B125, ~~E163, OUT SIDE B122~~ - N SIDE HAZMAT STOR/K122/E148/E138/A130/~~C132~~/E141/~~G101/H1~~ [6B110/6C109/6D220/6D228/6D237/6D249/6D250/6B105/A122/E115/H127/E161]

UN/NA NO. (IF KNOWN): 2014

SCOEPA00051791

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe
005268

SECTION D — SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	10	~~10~~ 11	20	365	N 1 4 E 1 4 D 1 4	3.2 6.3	0000067-63-0

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE D125 H127 K119 E110 A112 K101 C111

UN/NA NO. (IF KNOWN): 1219

UBIQUITOUS ON SITE, TOOMANY ROOMS TO NAME

COMMON NAME/TRADE NAME: JUBILATION NO RINSE STRIP
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: GLYCOL MONOBUTYL ETHER

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	2	2	04	04	10	365	E 1 4	9.0	0000111-76-2

STORAGE LOCATIONS AT SITE: D125 SOLVENT STORAGE ROOM/G1 10

UN/NA NO. (IF KNOWN): 0000

COMMON NAME/TRADE NAME: JUBILATION SEALER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIETHYLENE GLYCOL MONOYLETHER

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	2	2	04	04	04	365	E 1 4	9.0	0000111-77-

STORAGE LOCATIONS AT SITE: D-125

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: JUBILATION 2000
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: 2-(2-METHOXYETHOXY) ETHANOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	2	2	04	04	10	365	E 1 4	9.0	0000111-77-

STORAGE LOCATIONS AT SITE: D125

UN/NA NO. (IF KNOWN):

SCOEPA00051792

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe
005268

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: KEROSENE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: KEROSENE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	~~04~~ 10	~~04~~ 30	365	D 1 4	3.3	0008008-20-6

STORAGE LOCATIONS AT SITE: FACILITIES MAINTENANCE WASH RACK, D125

UN/NA NO. (IF KNOWN): 1223

COMMON NAME/TRADE NAME: LIME
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM OXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	31	31	~~40~~ 43	365	J 1 4 C 1 4	6.3	001305-79-9

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT/ E163

UN/NA NO. (IF KNOWN): 1910

COMMON NAME/TRADE NAME: LUTENSOL AP 10
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALKYLPHENOLETHOXYLATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	~~10~~ 20	~~10~~ 20	~~20~~ 21	365	D 1 4 C 1 4	6.3	0068412-54-4

STORAGE LOCATIONS AT SITE: WAREHOUSE, D125, ~~C111~~, D123/ ~~0101~~ D121

UN/NA NO. (IF KNOWN): 0000

COMMON NAME/TRADE NAME: MITY DRY
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM CHLORIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	20	20	20	365	J 1 4	9.0	7647-14-5

STORAGE LOCATIONS AT SITE: WAREHOUSE, DRY AIR SYSTEM

UN/NA NO. (IF KNOWN):

SCOEPA00051793

FORM CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Numbe 005268

SECTION D

COMMON NAME/TRADE NAME: ~~NALCO~~, LUDOX, GLANZOX ADD: [, LEVASIL, RODEL LS10, [RD-97047, EDGE MIRROR
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICA, COLLOIDAL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2		2	2	~~20~~ [21]	~~20~~ [21]	~~30~~ [31]	365	E 1 4	6.3 6.4	7631-86-9

STORAGE LOCATIONS AT SITE: WAREHOUSE, F103, ~~E101, E102~~ [6D118/6D239/E101A/E102A/6D228/6D242/

UN/NA NO. (IF KNOWN: 1346

COMMON NAME/TRADE NAME: NITRIC ACID 70% [
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITRIC ACID [

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2		2	2	~~20~~ [30]	~~21~~ [30]	~~31~~ [40]	365	A 1 4 M 1 4 [D] [1] [4]	6.3 8.0	007697-37-2

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG BULK TANK, ~~A120~~, C132, K122, B122, A130M ~~A121~~/E115/~~E101~~ [AB 1+2 BULK/6B110/ACID STRG/B119

UN/NA NO. (IF KNOWN: 2031

COMMON NAME/TRADE NAME: NITROGEN CRYOGENIC LIQUID [
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN [

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN
1		3	~~2~~ [3]	~~30~~ [42]	~~30~~ [31]	~~50~~ [80]	365	A 2 7 S 2 7	2.2 6.3	0007727-37-9

STORAGE LOCATIONS AT SITE: BULK TANK S YD BULK TANK W Y D A125

UN/NA NO. (IF KNOWN: 1977

COMMON NAME/TRADE NAME: NITROGEN GAS [
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN [

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO (IF KNOWN
1		3	3	~~21~~ [31]	~~21~~ [31]	~~40~~ [50]	365	L 2 4	2.2	007727-37-9

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE K203 K206 F126 D121 K117 H120 TCS BLDG F124 F125 E115 A104 [6D227

UN/NA NO. (IF KNOWN: 1066

SCOEPA00051794

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SECTION D — SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: NITROUS OXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROUS OXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	~~11~~ 21	~~11~~ 21	~~11~~ 21	365	L 2 4	2.2 6.3	0010024-97-2

STORAGE LOCATIONS AT SITE: E165, NOX BLDG/D125/E163

UN/NA NO. (IF KNOWN): 1070

COMMON NAME/TRADE NAME: OILS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	20	20	365	D 1 4 A 1 4 [N] [1] [4]	4.5 6.3	0064742-54-7

STORAGE LOCATIONS AT SITE: S YD CHEM BLDG, ~~OUTSIDE H120~~, OUTSIDE GROWING NEXT TO COOLING TOWER - A001, H120, E109, C121 ~~H133~~/B101/C111/C133/D121/~~E101/C101/C120/C104~~ [6C115/6D103/6D104/6D110/B122/C102/D125/E108/WAREHOUSE, W YARD]

UN/NA NO. (IF KNOWN): 1270

COMMON NAME/TRADE NAME: OXYGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: OXYGEN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	~~10~~ 30	~~21~~ 30	~~30~~ 30	365	L 2 4	2.2 5.1	007782-44-7

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG/CYLINDER WHSE

UN/NA NO. (IF KNOWN): 1072

COMMON NAME/TRADE NAME: PHOSPHINE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PHOSPHINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	~~20~~ 30	~~20~~ 30	~~20~~ 30	365	L 2 4	2.1 2.3	007803-51-2

STORAGE LOCATIONS AT SITE: F124/F125/F126/K203/K206

UN/NA NO. (IF KNOWN): 2199

SCOEPA00051795

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number:
005268

SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: PHOTORESIST STRIPPER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALIPHATIC AMINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	2	2	02	03	04	365	N 1 4	8.0 6.3	

STORAGE LOCATIONS AT SITE: G101/A122/A125

UN/NA NO. (IF KNOWN): 1760

COMMON NAME/TRADE NAME: POLISHING SLURRY
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: AMORPHOUS SILICA

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	2	2	20	21	30	365	E 1 4 N 1 4	6.3 6.4	0007631-86-9

STORAGE LOCATIONS AT SITE: F105 F127/E102/E104A/F103/G101

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: POLYELPH 956
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHONIC ACID, POTASSIUM SALT

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	10	20	365	0 1 4	6.3	0067953-76-8

STORAGE LOCATIONS AT SITE: F101

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: POTASSIUM CARBONATE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM CARBONATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	20	~~30~~ 20	40	365	1 1 4	6.3 6.4	0000584-08-7

STORAGE LOCATIONS AT SITE: F103, E110, F123, E163, F104 /E138/G101

UN/NA NO. (IF KNOWN): 0000

SCOEPA00051796

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY
SECTION D — SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Numbe: 005268

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	~~01~~ 20	~~30~~ 20	41	365	1 1 4	8.0 6.3	0001310-58-3

STORAGE LOCATIONS AT SITE: C132, C112, F104, ~~C105~~ A130/ E163/G101

UN/NA NO. (IF KNOWN): 1813

6B110/6D104/6D108/6D110/6D121

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	20	20	21	365	C 1 4	8.0 6.3	0001310-58-3

STORAGE LOCATIONS AT SITE: C112, C132, ~~C111, F104/E161/E~~ 163

UN/NA NO. (IF KNOWN): 1813

A130/6B105/6B110/6D110/6D121

COMMON NAME/TRADE NAME: PROPANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PROPANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	2	3	2	04	10	10	365	A 2 4 / L 2 4	2.1 6.3	0000074-98-6

STORAGE LOCATIONS AT SITE: W END OF PLANT OUTSIDE WAREH OUSE

UN/NA NO. (IF KNOWN): 1075

COMMON NAME/TRADE NAME: REFRIGERANT 11
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROFLUOROMETHANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN
1		3	2	04	04	~~04~~ 03	365	D 1 4	2.2	000075-69-4

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG

UN/NA NO. (IF KNOWN): 1078

SCOEPA00051797

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe
005268

SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: REFRIGERANT 22
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CHLORODIFLUOROMETHANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	11	11	21	365	0 1 4	2.2	0000075-45-6
2										

STORAGE LOCATIONS AT SITE: HAZMAT STORAGE AREA/G110, S YARD CHEM STORAGE BLDG

UN/NA NO. (IF KNOWN: 1018

COMMON NAME/TRADE NAME: ROKRAMAR
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: MALEIC RESIN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	20	20	~~30~~ 21	365	J 1 4	9.0	

STORAGE LOCATIONS AT SITE: F104, C122, G101

UN/NA NO. (IF KNOWN

COMMON NAME/TRADE NAME: RP TEAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIETHANOLAMINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
2		2	2	~~04~~ 10	10	~~10~~ 11	365	E 1 4	9.0	0000111-42-2

STORAGE LOCATIONS AT SITE: D123, ~~D110~~, G101

UN/NA NO. (IF KNOWN

COMMON NAME/TRADE NAME: SAG 710 ANTIFOAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POLYDIMETHYL SILOXANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN
2		2	2	10	11	30	365	E 1 4	9.0	

STORAGE LOCATIONS AT SITE: F101, WASTE WATER TREATMENT PLANT, C102, F127, D123, G101, C132

UN/NA NO. (IF KNOWN

0000

SCOEPA00051798

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe
005268

SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: SILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILANE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1 - PURE, 2 - MIXTURE: 1	3	3	10	11	20	365	L 2 4	2.1 4.4	0007803-62-5
1 - NEW, 2 - NO LONGER REPORTABLE:									

STORAGE LOCATIONS AT SITE: SOUTH YARD SILANE BUILDING/G 110

UN/NA NO. (IF KNOWN: 2203

COMMON NAME/TRADE NAME: SILICA GEL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICA, AMORPHOUS, HYDRATED

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2 - PURE, 2 - MIXTURE: 2	2	2	11	11	20	365	J 1 4	9.0 0	0007631-86-9
1 - NEW, 2 - NO LONGER REPORTABLE: 2									

STORAGE LOCATIONS AT SITE: G101/E163/F103/E102A

UN/NA NO. (IF KNOWN: 0000

COMMON NAME/TRADE NAME: SILICON HYPERPURE CHIPS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICON

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
1 - PURE, 2 - MIXTURE: 1	1	1	20	30	30	365	K 1 4	6.3 6.4	0007440-21-3
1 - NEW, 2 - NO LONGER REPORTABLE:									

STORAGE LOCATIONS AT SITE: C110/G101

UN/NA NO. (IF KNOWN:

COMMON NAME/TRADE NAME: SODIUM CHLORITE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM CHLORITE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN
2 - PURE, 2 - MIXTURE: 2	2	2	21 [20]	21 [20]	21 [20]	365	A 1 4 C 1 4	5.1 6.3	0007758-19-2
1 - NEW, 2 - NO LONGER REPORTABLE:									

STORAGE LOCATIONS AT SITE: NOX BLDG

UN/NA NO. (IF KNOWN

1496

SCOEPA00051799

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE SOLN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	~~20~~ [30]	~~21~~ [30]	~~31~~ [40]	365	E 1 4 / A 1 4	8.0 6.3	0001310-73-2

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT BULK TANKS, F101, ~~K122~~, NOX BUILDING, ~~B122, E1 63~~/G101

UN/NA NO. (IF KNOWN): 1824

6C107/6D237/A130/E146

COMMON NAME/TRADE NAME: SODIUM HYPOCHLORITE 12.5%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYPOCHLORITE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	03	04	10	365	N 1 4 / C 1 4	8.0 5.1	0007681-52-9

STORAGE LOCATIONS AT SITE: FACILITIES BLDG

UN/NA NO. (IF KNOWN): 1791

COMMON NAME/TRADE NAME: SODIUM METABISULFITE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	10	11	20	365	J 1 4	6.3	0007681-57-4

STORAGE LOCATIONS AT SITE: CHROMIC TREATMENT BLDG, F-10 1/G101

UN/NA NO. (IF KNOWN): 0000

COMMON NAME/TRADE NAME: SODIUM SULFIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM SULFIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	20	~~21~~ [30]	365	A 1 4 / C 1 4	8.0 6.3	0001313-82-8

STORAGE LOCATIONS AT SITE: NOX BUILDING

UN/NA NO. (IF KNOWN): 1849

SCOEPA00051800

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CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SECTION D — SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: STEPHANOL AM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALKYL SULFATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	~~10~~ 04	~~10~~ 04	~~20~~ 11	365	~~D 1 4~~ E 1 4	9.0	

STORAGE LOCATIONS AT SITE: A130/~~A131~~/G101

UN/NA NO. (IF KNOWN):

B122/6B110

COMMON NAME/TRADE NAME: STODDARD SOLVENT
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	04	04	365	D 1 4	3.3	0064742-47-8
2										

STORAGE LOCATIONS AT SITE: H120 D121

UN/NA NO. (IF KNOWN): 1268

COMMON NAME/TRADE NAME: SULFURIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SULFURIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	~~20~~ 30	~~21~~ 30	~~40~~ 30	365	A 1 4 M 1 4	8.0 6.3	0007664-93-9

STORAGE LOCATIONS AT SITE: F101/NOX BLDG/ACID WHSE/WAST E WATER TREATM PLANT/E146/~~E161/E163~~

UN/NA NO. (IF KNOWN): 1830

B125/6D237

COMMON NAME/TRADE NAME: TERGITOL MIN-FOAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SECONDARY ALCOHOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	~~02~~ 04	~~02~~ 04	04	365	D 1 4	6.3 6.4	0068551-14-4

STORAGE LOCATIONS AT SITE: G101/~~F104/E161/E165~~

UN/NA NO. (IF KNOWN):

F105/6D220

SCOEPA00051801

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SECTION D

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: TETRAMETHYLAMMONIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TETRAMETHYLAMMONIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	~~10~~ 20	~~11~~ 20	~~20~~ 21	365	N 1 4 / E 1 4	8.0	75-59-2

STORAGE LOCATIONS AT SITE: F105, F127 ACID STORAGE AREA /E144/E141/E146/E148/H127 ~~/E163~~

UN/NA NO. (IF KNOWN): 1835

F123/6C106/6D118/6D228/6D237/6D239/6D249/6D250/6B105/6B110

COMMON NAME/TRADE NAME: TRICHLOROSILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROSILANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	10	11	~~21~~ 30	365	L 2 4	3.1 4.3	0010025-78-2

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, EPI GAS STORAGE/K206/F124/F125/F126

UN/NA NO. (IF KNOWN): 1295

6C101/6C102

COMMON NAME/TRADE NAME: TRIETHYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRIETHYLENE GLYCOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	~~03~~ 04	04	~~04~~ 00	365	D 1 4	6.3 0	0000112-27-6

STORAGE LOCATIONS AT SITE: G101

UN/NA NO. (IF KNOWN): 0000

COMMON NAME/TRADE NAME: TURCO CAVICLEAN #2
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM DODECYLBENZENESULFONATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	~~04~~ 10	~~04~~ 10	11	365	D 1 4	6.3	0025155-30-0

STORAGE LOCATIONS AT SITE: C102, WAREHOUSE/G101

UN/NA NO. (IF KNOWN): 0000

SCOEPA00051802

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Numbe
005268

COMMON NAME/TRADE NAME: VACUUM CLEANER DUST
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ANTIMONY TRIOXIDE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2 (1 - PURE, 2 - MIXTURE)	1	1	11	20	20	365	D 1 4	9.0	
(1 - NEW, 2 - NO LONGER REPORTABLE)									UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE ~~S YD CHEM STORAGE~~ A104

WEST SIDE OF FAB1 BLDG

COMMON NAME/TRADE NAME: VANWET 9N9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NONYLPHENOL SURFACTANT

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2 (1 - PURE, 2 - MIXTURE)	2	2	~~10~~ [11]	11	~~21~~ [20]	365	E 1 4	6.3	0009016-45-9
(1 - NEW, 2 - NO LONGER REPORTABLE)									UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE D125, ~~F104, E110, F126~~, F127, ~~G106~~/A118/A130/~~C112/C122/E100~~/E144/~~E148~~/F105/F123/~~F127/G101~~/K203/K205

6c106 / 6d228 / 6d237 / 6d250

0000

COMMON NAME/TRADE NAME: VANZOL V-1 200
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ETHYL ALCOHOL

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2 (1 - PURE, 2 - MIXTURE)	2	2	10	10	11	365	D 1 4	3.3 6.3	0000064-17-5
(1 - NEW, 2 - NO LONGER REPORTABLE)									UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE D125, S YARD CHEMICAL STORAGE BLDG, ~~G101, A125, E102, E112/F104~~/E163

1986

COMMON NAME/TRADE NAME: VECTOR HTR & HTS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRIETHANOLAMINE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2 (1 - PURE, 2 - MIXTURE)	2	2	~~10~~ [20]	~~10~~ [20]	~~20~~ [21]	365	D 1 4 E 1 4	4.5 6.4	0000102-71-6
(1 - NEW, 2 - NO LONGER REPORTABLE)									UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE D125, C112/~~G105/E163~~/G101

6D104 / 6D108 / C105 / D121 / D123

SCOEPA00051803

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe
005268

SECTION D — SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: WASTE ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	~~11~~ 04	~~21~~ 11	365	D 1 4	3.2 0	0000067-63-0

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE D125 ~~A117~~

UN/NA NO. (IF KNOWN): 1219

COMMON NAME/TRADE NAME: WASTE CHROMIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CHROMIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	~~11~~ 10	~~01~~ 20	365	A 1 4	8.0 6.3	0007738-94-5

STORAGE LOCATIONS AT SITE: A130, CHROME TREATMENT SHED

UN/NA NO. (IF KNOWN): 1755

COMMON NAME/TRADE NAME: WASTE CHROMIC SLUDGE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	20	20	21	365	D 1 4	9.0	0007738-94-5

STORAGE LOCATIONS AT SITE: CHROMIC TREATMENT BLDG, SOUT H YARD STORAGE BLDG

UN/NA NO. (IF KNOWN): 3077

COMMON NAME/TRADE NAME: WASTE OIL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	20	20	365	A 1 4 D 1 4	4.5 6.4	0064742-54-7

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE OUTSIDE H1 20 OUTSIDE GROWING NEXT TO COOLING TOWER A001 H120 B101 E109 C121/A133/C104/C111/C120/C133/D121/E101/G101

UN/NA NO. (IF KNOWN): 9189

SCOEPA00051804

- FORM CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Numbe
005268

COMMON NAME/TRADE NAME: WASTE SOLVENT
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	03	04	~~10~~ 04	365	D 1 4	3.2 6.3	0008052-41-3
										UN/NA NO. (IF KNOWN
										3077

STORAGE LOCATIONS AT SITE: S YARD CHEM STORAGE H120

COMMON NAME/TRADE NAME: WASTE TURPENTINE SUBSTITUTE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROCARBON SOLVENT

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	04	04	365	D 1 4	3.3	0000111-76-2
				11	11	20				UN/NA NO. (IF KNOWN
										1300

STORAGE LOCATIONS AT SITE: WASTE STORAGE BLDG

H120

COMMON NAME/TRADE NAME: LIME SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
2		2	2	21	30	42	365	A 1 4		0010043-52-4
1								C 1 4		UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE: WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: DEVEL A
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORTHO SODIUM SILICATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
2		2	2	10	10	11	365	N 1 4		1344-09-8
1										UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE: 6D237/6D239/6D242/E102A/E110/WAREHOUSE

SCOEPA00051805

• FORM CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Numbe 005268

SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: [ARSINE]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: [ARSINE]

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2 (1 - PURE, 2 - MIXTURE)	[3]	[3]	[04]	[04]	[04]	[365]	[L] [2] [4]	[ ] [ ]	[7784-42-1]
1 (1 - NEW, 2 - NO LONGER REPORTABLE)							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE

[FAB 1 HPM ROOM]

COMMON NAME/TRADE NAME: [RODELENE PREMIX]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: [ISOPROPANOL]

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
2 (1 - PURE, 2 - MIXTURE)	[2]	[2]	[20]	[20]	[04]	[365]	[E] [1] [4]	[ ] [ ]	[67-63-0]
1 (1 - NEW, 2 - NO LONGER REPORTABLE)							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE

[6D239 / WAREHOUSE]

COMMON NAME/TRADE NAME: [INTEGRITY FLOOR PRODUCTS]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: [MODIFIED ACRYLIC POLYMERS]

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
2 (1 - PURE, 2 - MIXTURE)	[2]	[2]	[04]	[04]	[11]	[365]	[E] [1] [4]	[ ] [ ]	[ ]
1 (1 - NEW, 2 - NO LONGER REPORTABLE)							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE

[D125]

COMMON NAME/TRADE NAME: [TRIPLE POWER]
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: [MONOETHANOLAMINE]

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
2 (1 - PURE, 2 - MIXTURE)	[2]	[2]	[04]	[04]	[11]	[365]	[E] [1] [4]	[ ] [ ]	[141-43-5]
1 (1 - NEW, 2 - NO LONGER REPORTABLE)							[ ] [ ] [ ]		UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE

[D125]

SCOEPA00051806

FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Numbe
005268

SECTION D

COMMON NAME/TRADE NAME: SODIUM METABISULFITE SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1 - PURE 2 - MIXTURE	2	2	04	04	21	365	C 1 4	6.3	0007681-57-4
1 - NEW 2 - NO LONGER REPORTABLE	1								UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE: F101

COMMON NAME/TRADE NAME: ABRASIVE POWDER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICON CARBIDE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
1 - PURE 2 - MIXTURE	1								
1 - NEW 2 - NO LONGER REPORTABLE	1	1	21	21	40	365	E 1 4		
							K 1 4		UN/NA NO. (IF KNOWN

STORAGE LOCATIONS AT SITE: WAREHOUSE / 6C115 / A133

COMMON NAME/TRADE NAME: ETCHING SOLUTIONS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITRIC ACID

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN
1 - PURE 2 - MIXTURE	2								
1 - NEW 2 - NO LONGER REPORTABLE	1	2	04	10	10	365	R 1 4		
									UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: 6B105 / A122 / A124 / A125

COMMON NAME/TRADE NAME: ALKATROL 2025
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CYCLOHEXYLAMINE

	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN
1 - PURE 2 - MIXTURE	2								
1 - NEW 2 - NO LONGER REPORTABLE	1	2	04	04	10	365	O 1 4		108-91-8
									UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: WATER TREATMENT

SCOEPA00051807

• FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY
SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Numbe
005268

COMMON NAME/TRADE NAME: [DEISEL FUEL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [PETROLEUM DISTILLATES

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	2	2	20	20	20	365	C 1 4	3.1 6.3	

STORAGE LOCATIONS AT SITE: [FAB1 + 2 EMERGENCY GENERATORS

UN/NA NO. (IF KNOWN

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN

STORAGE LOCATIONS AT SITE

UN/NA NO. (IF KNOWN

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN

STORAGE LOCATIONS AT SITE

UN/NA NO. (IF KNOWN

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN

STORAGE LOCATIONS AT SITE

UN/NA NO. (IF KNOWN

SCOEPA00051808

FORM COMPANY

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS

Due Date: NOVEMBER 30, 1999 1999 Facility ID Number 005268

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT ONLY CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A HAZARDOUS SUBSTANCE PRESENCE Check the correct box to the left.

☐ YES ☐ NO Are there hazardous substances present at this site in reportable quantities?

☐ YES ☐ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

☐ YES ☐ NO Is this facility subject to the reporting requirements of Section 112(r) of the Clean Air Act?

☐ YES ☐ NO If you answered YES to ANY of the three above questions, check the NO box and proceed to Section B directly below. Otherwise refer to side B of the enclosed green information sheet.

SECTION B DEMOGRAPHIC DATA Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-
2. SIC CODE 2: DEFINITION:
3. BUSINESS ACTIVITY: MANUFACTURE OF SILICON WAFERS
4. DUN & BRADSTREET #: 09-625-3737
5. MANAGER'S NAME: THOMAS C MCCUE
6. SEND TO ATTENTION OF: SUSAN MULHOLLAND
7. E-MAIL ADDRESS: SUSAN_MULHOLLAND@SILTRONIC.COM
8. BUSINESS NAME: WACKER SILTRONIC CORP
9. DEPT OR DIV:
10. SITE ADDRESS: 7200 NW FRONT AVE
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210
11. MAILING ADDRESS: PO BOX 83180
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97283-0180
12. BUSINESS PHONE: 503-243-2020
13. NUMBER OF EMPLOYEES AT THIS SITE: 1500
14. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: KIRK BENSON
15. EMERGENCY CONTACT PHONES: DAY 503-219-7420 NIGHT 503-219-7420
16. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

17. ☐ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: _____
18. ☐ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
19. ☐ YES ☐ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
20. ☐ YES ☐ NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C PERSON COMPLETING FORM
This person will be contacted to answer any questions needing clarification.

SUSAN MULHOLLAND
WACKER SILTRONIC CORP

PO BOX 83180
PORTLAND OR 97283-0180

1. PRINT NAME: _____
2. SIGNATURE (REQUIRED): _____
3. DATE: _____ PHONE NO: _____

For office use only R _____ F _____ DE _____ / _____ C _____

OSFMB130

SCOEPA00051809

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: ABRASIVE ALUMINUM OXIDE
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ALUMINUM OXIDE

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: 1
1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	20	30	40	00	365	E 1 4 K 1 4	9.0	0001344-28-1

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WAREHOUSE, /C105/6D108/

COMMON NAME/TRADE NAME: ABRASIVE POWDER
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: SILICON CARBIDE

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: 1
1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	30	30	43	00	365	E 1 4 K 1 4	9.0	

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WAREHOUSE-6D115-A133

COMMON NAME/TRADE NAME: ACETIC ACID 35%
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETIC ACID

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	11	30	00	365	N 1 4 E 1 4	8.0 6.3	0000064-19-7

UN/NA NO. (IF KNOWN): 2789
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: 6D103/A122/B126/6D110/ ACD S
TRG

COMMON NAME/TRADE NAME: ACETONE
HAZARDOUS INGREDIENT IN HIGHEST CONCENTRATION: ACETONE

EHS ☐ 112(r) ☐

1 - PURE / 2 - MIXTURE: 1
1 - NEW / 2 - NO LONGER REPORTABLE:

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	03	04	10	00	365	N 1 4	3.2 6.3	0000067-64-1

UN/NA NO. (IF KNOWN): 1090
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A117/A122/B122/B125/B101/C11
1/D121/A118/A133/F123 SOL STRG

SCOEPA00051810

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ACTIVATED CARBON
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CARBON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	21	30	30	00	365	J 1 4 A 1 4	4.5	0007440-44-0

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1362

STORAGE LOCATIONS AT SITE: FACILITIES BUILDING, RODI UP W

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: ALUMINUM SULFATE 48%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALUMINUM SULFATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	30	00	365	0 1 4	6.3	

2 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: AMMONIUM HYDROXIDE 30%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: AMMONIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	30	00	365	N 1 4 E 1 4	8.0	0001336-21-6

2 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 2672

STORAGE LOCATIONS AT SITE: RODI ,F105,F126,A130,C132,K115,K203,K206,F104 ACD STRG UPW

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: ANTIFOAM SAG 795
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POLYDIMETHYL SILOXANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	11	11	21	00	365	0 1 4	9.0	

2 - PURE 2 - MIXTURE
1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

EPA PESTICIDE REGISTRATION NO.:

OSFMB131

SCOEPA00051811

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: AQUAFLOC 477
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	0 1 4	5.1	0064742-47-8

(2 - 1 - PURE, 2 - MIXTURE; 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: ARGON
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	30	30	31	20	365	L 2 4	2.2	0007440-37-1

(1 - PURE, 2 - MIXTURE; 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN): 1006

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOL STRG A001 A104 B127 D124
H120 FACILITIES BLDG

COMMON NAME/TRADE NAME: ARGON LIQUID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	21	30	31	00	365	A 2 7	2.2 6.3	0007440-37-1

(1 - PURE, 2 - MIXTURE; 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN): 1951

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: BULK CRYO TANK

COMMON NAME/TRADE NAME: ARGON 80%/HELIUM 20%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	20	20	30	20	365	L 2 4	2.2	0007440-37-1

(2 - 1 - PURE, 2 - MIXTURE; 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN): 1006

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D104 D124 F126 /E115/E163/6
C102 SOL STRG

SCOEPA00051812

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ARSINE 10 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARSINE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	04	10	10	02	365	L 2 4	2.1 2.3	0007784-42-1

1 - PURE / 2 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 2188

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FAB 1 HPM ROOM 6C102 6D209

COMMON NAME/TRADE NAME: CALCIUM CHLORIDE FLAKE 77-80%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM CHLORIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	11	20	20	00	365	J 1 4	6.3	0010043-52-4

1 - PURE / 2 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 0000

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG, WHSE

COMMON NAME/TRADE NAME: CAUSTIC SODA BEADS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	11	20	21	00	365	J 1 4	6.3 8.0	0001310-73-2

1 - PURE / 2 - MIXTURE: 1
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1823

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: OLD NOX

COMMON NAME/TRADE NAME: CHROMIC ACID SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CHROMIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	11	00	365	N 1 4 C 1 4	8.0	0011115-74-5

1 - PURE / 2 - MIXTURE: 2
1 - NEW / 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1755

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A122 - A131 CHROME TREATMEN
T BLDG

SCOEPA00051813

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: CITRIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CITRIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		1	1	20	20	30	00	365	N 1 4 J 1 4	8.0	0000077-92-9

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1759

EPA PESTICIDE REGISTRATION NO.: 2935-50152

STORAGE LOCATIONS AT SITE: WHSE A130

COMMON NAME/TRADE NAME: CONC. ACID WASTEWATER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	30	30	00	00	365	A 1 4 B 1 4	8.0 6.3	0007664-39-3

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1052

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT, CAD STORAGE TANK, CAD FORWARDING SUMP.

COMMON NAME/TRADE NAME: DEARBORN 154
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	04	04	10	00	365	0 1 4	8.0	0001310-73-2

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1719

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FACILITIES BLDG

COMMON NAME/TRADE NAME: DETERGENT Q-9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	11	20	30	00	365	E 1 4 C 1 4	8.0	0001310-58-3

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1814

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A130/C112/C132/D125/6B105/6C106/6D103/6D104/6D108/6D110/B122 WHSE C109

OSFMB131

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: DEVEL A
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORTHO SODIUM SILICATE

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	20	20	20	00	365	N 1 4	9.0	0001344-09-8

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: 6D237-6D239-6D242-E102-E110-
WAREHOUSE F103

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: DIBORANE 25-1000 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIBORANE

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
3	3	20	21	21	10	365	L 2 4	2.1	0001333-74-0

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: F-126, K203, K206, F124/6C10
2 6D209

UN/NA NO. (IF KNOWN): 1911
EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: DIESEL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
2	2	20	20	20	00	365	C 1 4	3.3	0068476-34-6

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: FAB 1 & 2 EMERGENCY GENERATO
RS

UN/NA NO. (IF KNOWN): 1993
EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: DIPROPYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIPROPYLENE GLYCOL

EHS ☐ 112(r) ☐

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
1	2	20	20	31	00	365	D 1 4 R 1 4	6.3	0025265-71-8

1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

STORAGE LOCATIONS AT SITE: A133/D125/WHSE SOL STRG C111
/ 6D115 WASTE WATER TREATMENT PLANT

UN/NA NO. (IF KNOWN): 0000
EPA PESTICIDE REGISTRATION NO.:

SCOEPA00051815

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number: 005268

COMMON NAME/TRADE NAME: DOWFROST GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PROPYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	04	00	365	R 1 4	9.0	0000057-55-6

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: WHSE FAB 2 CHILLING LOOP

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: ETCHING SOLUTIONS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITRIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	10	04	00	365	R 1 4	8.0 6.3	

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: 6B105-A122-A124-A125

EPA PESTICIDE REGISTRATION NO.:

COMMON NAME/TRADE NAME: ETHYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ETHYLENE GLYCOL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	D 1 4 R 1 4	6.3 6.4	0000107-21-1

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 3082

STORAGE LOCATIONS AT SITE: C121 WHSE FAB 1 CHILLING LOO

P

EPA PESTICIDE REGISTRATION NO.: 62719-5

COMMON NAME/TRADE NAME: FERROSOL 332
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHOSPHONIC ACID, SODIUM SALT

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	0 1 4	6.3	0002809-21-4

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D104

EPA PESTICIDE REGISTRATION NO.:

SCOEPA00051816

FORM
CHEMICAL

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: FERROSOL 335
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CITRIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	0 1 4	8.0 6.3	0000077-92-9

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1760
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D104

COMMON NAME/TRADE NAME: GASOLINE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	04	04	10	00	365	D 1 4	3.1 6.4	0008006-61-9

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1203
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FACILITIES/ WASTE STORAGE AR
EA

COMMON NAME/TRADE NAME: HELIUM GAS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HELIUM

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	20	20	30	20	365	L 2 4	2.2	0007440-59-7

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1046
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D121, F126, K203, A104, B12
7, H120, K115/E163/F124/ SOL STRG

COMMON NAME/TRADE NAME: HYDROCHLORIC ACID 31-37%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROCHLORIC ACID

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	21	00	365	E 1 4 C 1 4	8.0 6.3	0007647-01-0

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1789
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F123, K122/E142/E148/H127/
C104/6D228/6D237/6D250/K132 6D242 ACD STRG UPW
WHSE RODI

OSFMB131

SCOEPA00051817

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: HYDROFLUORIC ACID 49%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS [ ] 112(r) [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	21	30	30	00	365	E 1 4 A 1 4	8.0 6.1	0007664-39-3

[2] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1790

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A130, A122, B126, F123, K12 2, B122, C132, A124/E142/6B110/6C104/6D227 6D22 8/6D249/FAB 1 & 2 BULK/ 6B105/B12 ACD STRG K121 K132 6B105 6D204 6D2

COMMON NAME/TRADE NAME: HYDROFLUORIC ACID 50%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

EHS [ ] 112(r) [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	21	00	00	0	A 1 4	8.0 6.1	0007664-39-3

[2] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1052

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FAB 2 BULK

COMMON NAME/TRADE NAME: HYDROGEN CHLORIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN CHLORIDE

EHS [ ] 112(r) [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	30	40	50	31	365	L 2 4	2.2 8.0	0007647-01-0

[1] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1050

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, F126, K203, K206/6C102 6D201 6D209

COMMON NAME/TRADE NAME: HYDROGEN CRYOGENIC
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN

EHS [ ] 112(r) [ ]

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	30	30	42	00	365	A 2 7	2.1	0001333-74-0

[1] 1 - PURE 2 - MIXTURE [ ]
[ ] 1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1966

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: BULK CRYO TANK

OSFMB131

SCOEPA00051818

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: HYDROGEN PEROXIDE30%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN PEROXIDE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	30	00	365	N 1 4 E 1 4	5.1 8.0	0007722-84-1

2 - 1 - PURE, 2 - MIXTURE
☐ 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 2014

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F123,/A130/E141/ 6C109/6D220 /6D228/6D237/6D249//6B105/A122/A122/E102/F103/ H127/K121/K130/ACD STRG UPW R001 SOL STRG 6B105/6D108/6D238/6D242

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	11	21	00	365	D 1 4	3.2 6.3	0000067-63-0

1 - PURE, 2 - MIXTURE
☐ 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1219

EPA PESTICIDE REGISTRATION NO.: 400-104

STORAGE LOCATIONS AT SITE: SOL STRG 6C105

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL 10%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	10	10	00	00	365	N 1 4	3.2 6.3	0000067-63-0

2 - 1 - PURE, 2 - MIXTURE
☐ 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1219

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: FOUND IN MAJORITY OF ROOMS O N SITE

COMMON NAME/TRADE NAME: KEROSENE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: KEROSENE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	11	11	00	365	D 1 4	3.3	0008008-20-6

2 - 1 - PURE, 2 - MIXTURE
☐ 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1223

EPA PESTICIDE REGISTRATION NO.: 10182-223

STORAGE LOCATIONS AT SITE: FACILITIES MAINTENANCE WASH RACK, D125

OSFMB131

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: LIME
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM OXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	31	31	50	00	365	A 1 4 C 1 4	6.3	0001305-79-9

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:
UN/NA NO. (IF KNOWN): 1910
EPA PESTICIDE REGISTRATION NO.:
STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: LIME SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM HYDORXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	21	30	00	00	365	A 1 4 C 1 4	8.0 6.3	0010043-52-4

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:
UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:
STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

COMMON NAME/TRADE NAME: LUDOX, GLANZOX, LEVASIL, RODEL LS1
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICA, COLLOIDAL

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	21	40	00	365	E 1 4 J 1 4	6.3 6.4	0007631-86-9

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:
UN/NA NO. (IF KNOWN): 1346
EPA PESTICIDE REGISTRATION NO.:
STORAGE LOCATIONS AT SITE: WAREHOUSE, F103, E102 6D228

COMMON NAME/TRADE NAME: LUTENSOL AP 10
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALKYLPHENOLETHOXYLATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	10	11	20	00	365	C 1 4 E 1 4	6.3	0068412-54-4

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:
UN/NA NO. (IF KNOWN): 0000
EPA PESTICIDE REGISTRATION NO.:
STORAGE LOCATIONS AT SITE: WAREHOUSE, D125, D123/D121 6D110

OSFMB131

SCOEPA00051820

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: NITRIC ACID 70%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITRIC ACID

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	30	30	50	00	365	D 1 4 A 1 4	6.3 8.0	0007697-37-2

2 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 2031

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C132, A130 /FAB 1 & 2 BULK/ 6B110/ ACD STRG A124 C112 K121 K131 6B105 6C104

COMMON NAME/TRADE NAME: NITROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	31	31	40	21	365	L 2 4	2.2	0007727-37-9

1 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1066

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: K203 K206 F126 D121 K117 H12 0 TCS BLDG F124 F125 E115 A104/6D227 SOL STRG

COMMON NAME/TRADE NAME: NITROGEN CRYOGENIC LIQUID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	21	30	51	00	365	A 2 7 S 2 7	2.2 6.3	0007727-37-9

1 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1977

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: BULK CRYO TANK E140

COMMON NAME/TRADE NAME: NITROUS OXIDE 80 PPM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROUS OXIDE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
3	3	10	11	11	04	365	L 2 4	2.2 6.3	0010024-97-2

2 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1070

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: NOX BLDG/SOL STRG OUTSIDE RO OM E161

SCOEPA00051821

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: OILS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	20	00	365	N 1 4 A 1 4	4.5 6.3	0064742-54-7

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1270

EPA PESTICIDE REGISTRATION NO.: 34704-352

STORAGE LOCATIONS AT SITE: OUTSIDE GROWING NEXT TO COOL ING TOWER - A001, H120, E109, C121/B101/C111 C 133/D121/6C115/6D103/6D104/6D110/B122/C102/D125/E108/WHSE

COMMON NAME/TRADE NAME: OXYGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: OXYGEN

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		3	3	11	20	20	04	365	L 2 4	2.2 5.1	0007782-44-7

1 - PURE 2 - MIXTURE: 1
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1072

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOL STRG H120

COMMON NAME/TRADE NAME: PHOSPHINE 5-999 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PHOSPHINE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		3	3	21	30	30	11	365	L 2 4	2.1 2.3	0007803-51-2

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 2199

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F124/F125/F126/K203/K206 6D2 09 6C102

COMMON NAME/TRADE NAME: POLYELPH 956
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHONIC ACID, POTASSIUM SALT

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	10	10	10	00	365	0 1 4	6.3	0067953-76-8

1 - PURE 2 - MIXTURE: 2
1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F101

OSFMB131

SCOEPA00051822

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: POTASSIUM CARBONATE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM CARBONATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	20	40	00	365	I 1 4 J 1 4	6.3 6.4	0000584-08-7

1 - PURE 2 - MIXTURE: 1 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 0000

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: F103, F123, E163, F104/ WHS
E 6D108

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	21	30	41	00	365	I 1 4 J 1 4	8.0 6.3	0001310-58-3

1 - PURE 2 - MIXTURE: 1 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1813

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C132, 6B110/6D108/6D121 WHSE
C109

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE SOLN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	00	00	365	C 1 4	8.0 6.3	0001310-58-3

2 - PURE 2 - MIXTURE: 2 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1814

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C112,C132, A130/6B105/6B110/
6D110/6D121 F104 6D104

COMMON NAME/TRADE NAME: REFRIGERANT 11
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROFLUOROMETHANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	1	20	20	10	00	365	D 1 4	2.2 6.3	0000075-69-4

2 - PURE 2 - MIXTURE: 2 — 1 - NEW 2 - NO LONGER REPORTABLE:

UN/NA NO. (IF KNOWN): 1078

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: SOL STRG

OSFMB131

SCOEPA00051823

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ROKRAMAR
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: MALEIC RESIN

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	20	21	00	365	J 1 4	9.0	

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: F104, C122, WHSE

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: RP TEAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIETHANOLAMINE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	03	10	11	00	365	E 1 4	9.0	0000111-42-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: D123, WHSE

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILANE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		3	3	10	11	30	00	365	L 2 4	2.1 4.4	0007803-62-5

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 2203

STORAGE LOCATIONS AT SITE: SOUTH YARD SILANE BUILDING/G
110 6D227

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SILICON HYPERPURE CHIPS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	20	30	31	00	365	K 1 4	6.3 6.4	0007440-21-3

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: C110/WHSE

EPA PESTICIDE REGISTRATION NO.

OSFMB131

SCOEPA00051824

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: SKY WAX
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TOLUENE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	10	11	20	00	365	N 1 4	3.2	0000108-88-3

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C105 C122 E102 F103 F104 6D2
39 SOL STRG

COMMON NAME/TRADE NAME: SODIUM CHLORITE 25%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM CHLORITE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	20	00	365	A 1 4 C 1 4	5.1 6.3	0007758-19-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.: 9150-7-33003

STORAGE LOCATIONS AT SITE: NOX BLDG

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE 25-50%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	30	30	31	00	365	E 1 4 A 1 4	8.0 6.3	0001310-73-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1824
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT
F101, NOX BUILDING, 6C107/6D237WHSE UPW

COMMON NAME/TRADE NAME: SODIUM METABISULFITE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		1	1	10	11	20	00	365	J 1 4	6.3	0007681-57-4

1 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 2693
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: WHSE UPW RODI SHROME TREATME
NT BLDG

SCOEPA00051825

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: SODIUM METABISULFITE SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	04	04	00	00	365	C 1 4	6.3	0007681-57-4

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: ROD1 UPW

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SODIUM SULFIDE 10%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM SULFIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	30	00	365	A 1 4 C 1 4	8.0 6.3	0001313-82-2

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1849

STORAGE LOCATIONS AT SITE: NOX BUILDING

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: STEPANOL AM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALKYL SULFATE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	10	10	11	00	365	E 1 4	9.0	

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE: A130/B122/6B110 WHSE 6B105

EPA PESTICIDE REGISTRATION NO.

COMMON NAME/TRADE NAME: SULFURIC ACID 66 BE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SULFURIC ACID

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	30	30	00	365	A 1 4 N 1 4	8.0 6.3	0007664-93-9

2 - 1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1830

STORAGE LOCATIONS AT SITE: F101/NOX BLDG/WASTE WATER TR
EATM PLANT/B125/6D237 ACD STRG

EPA PESTICIDE REGISTRATION NO.

OSFMB131

SCOEPA00051826

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: TETRAMETHYLAMMONIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TETRAMETHYLAMMONIUM HYDROXIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	20	20	30	00	365	N 1 4 E 1 4	8.0	0000075-59-2

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1835

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: E144/E141/E148/H127/F123/6C1 06/6D118/6D228/ 6D249/6B105/ ACD STRG SOL STRG E102 E138 6D204 6D238 6D242

COMMON NAME/TRADE NAME: TRICHLOROSILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROSILANE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	3	31	31	41	30	365	L 2 4	3.2 4.3	0010025-78-2

1 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1295

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: K206/F126/6C101/6C102 SOL ST RG 6D209

COMMON NAME/TRADE NAME: TURCO CAVICLEAN #2
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM DODECYLBENZENESULFONATE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		2	2	04	10	10	00	365	D 1 4	6.3	0025155-30-0

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 0000

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: C102,WAREHOUSE/G101

COMMON NAME/TRADE NAME: VACUUM CLEANER DUST
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ANTIMONY TRIOXIDE

EHS	112(r)	PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
		USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
		1	1	11	20	00	21	365	D 1 4	9.0	

2 - PURE, 2 - MIXTURE
1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: A104/ WEST SIDE OF FAB 1 BL DG

SCOEPA00051827

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: VANWET 9N9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NONYLPHENOL SURFACTANT

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	11	11	20	00	365	E 1 4	6.3	0009016-45-9

2 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 0000
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D125, /A130/E144/F105/K203/6 C106/6D228/ A117 C112 F126 K121 K206 H127 6D20 4 6B105 WHSE

COMMON NAME/TRADE NAME: VECTOR HTR & HTS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRIETHANOLAMINE

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	20	20	21	00	365	C 1 4 E 1 4	4.5 6.4	0000102-71-6

2 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN):
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D125, C112/6D104/6D108/C105/ D123 WHSE

COMMON NAME/TRADE NAME: WASTE ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	04	04	00	20	365	D 1 4	3.2 0	0000067-63-0

2 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1219
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: D125 HAZ WASTE STRG

COMMON NAME/TRADE NAME: WASTE CHROMIC SLUDGE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM

EHS ☐ 112(r) ☐

PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	20	20	00	20	365	D 1 4	9.0	0007738-94-5

2 - 1 - PURE, 2 - MIXTURE
☐ - 1 - NEW, 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 3077
EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG, HAZ WASTE STRG

OSFMB131

SCOEPA00051828

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT ONLY CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: WASTE OIL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	20	20	00	21	365	A 1 4 D 1 4	4.5 6.4	0064742-54-7

(2 = 1 - PURE, 2 - MIXTURE; blank = 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN): 9189

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE STET H120
OUTSIDE GROWING NEXT TO COOLING TOWER A001 H12
0 B101 E109 C121/A133/C104/C111/C120/C133/D121/E101/G101

COMMON NAME/TRADE NAME: WASTE SOLVENT
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	2	03	04	00	10	365	D 1 4	4.5 6.3	0008052-41-3

(2 = 1 - PURE, 2 - MIXTURE; blank = 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN): 1993

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: S YARD CHEM STORAGE H120

COMMON NAME/TRADE NAME: WASTE WAX
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PARRAFIN WAX

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
		2	1	11	11	00	21	365	D 1 4	3.2	0008002-74-2

(2 = 1 - PURE, 2 - MIXTURE; blank = 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE: HAZ WASTE STRG C122 6D239

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

EHS	112(r)	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. IN CODE (USE TABLE III)	AMT. OUT CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)

(blank = 1 - PURE, 2 - MIXTURE; blank = 1 - NEW, 2 - NO LONGER REPORTABLE)

UN/NA NO. (IF KNOWN):

EPA PESTICIDE REGISTRATION NO.:

STORAGE LOCATIONS AT SITE:

SCOEPA00051829

FORM
CHEMICAL

SECTION D

1999 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **ONLY** CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
									UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
									UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
									UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

EHS ☐ 112(r) ☐

1 - PURE
2 - MIXTURE

1 - NEW
2 - NO LONGER REPORTABLE

PHYSICAL STATE	UNIT OF MEASURE	AVG. AMT. CODE	MAX. AMT. CODE	AMT. IN CODE	AMT. OUT CODE	NUMBER OF DAYS ON SITE	STORAGE CODE	HAZARD CLASSES	CAS NO. (IF KNOWN)
USE TABLE I	USE TABLE II	USE TABLE III	USE TABLE III	USE TABLE III	USE TABLE III	3 DIGIT NO.	USE TABLES IV & V	USE TABLE VI	
									UN/NA NO. (IF KNOWN)
									EPA PESTICIDE REGISTRATION NO.

STORAGE LOCATIONS AT SITE

OSFMB131

SCOEPA00051830

Material Number	MSDS Number	VW&R Prod #	Material Description	TRI Chemical	Stock on Hand	Total 1996 Consumption	Total 1997 Consumption	Unit of Measure	Pounds	Units	Total Pounds	conversion
5403872		642884	ACETIC ACID 35% non-glacial 450#/DRUM	N	5	133	274	DR	450	DR	43155	0.35
5403888			ADDITIVE ANTI-FUNGAL FOR AC1400 COOLING	N	3	2	3	BTL			0	1
5404258			REAGENT AMINO ACID F PACKAGE F HACH 5000	Lab Exem	10	20	29	PCK			0	1
5404259			REAGENT CITRIC ACID/SURFACTANT	Lab Exem	7	20	29	EA			0	1
5404260			REAGENT MOLYBDATE 3	Lab Exem	7	20	29	EA			0	1
5404261			REAGENT SILICA STANDARD SOLUTION	Lab Exem	7	23	29	EA			0	1
5404267			GREASE ADE	Grease	3	0	4	EA			0	1
5404268			GREASE ADE	Grease	2	2	2	EA			0	1
5404749	2224		POLYMER FILTERMATE 150/450# DRUM RODI	N	2	6	28	EA	450	DR	12600	1
5404895	2603		GREASE Shell Darina EP 2	N	20	16	136	EA			0	1
5405473			GREASE KRYTOX GP1206	Grease	3	3	5	EA			0	1
5405474			OIL FOMBLIN 525/5	Oil	3	2	1	EA			0	1
5405482			SOAP PERMATEX	Jan Exem	3	20	18	EA			0	1
5405550	2847		OIL pump fluid YLVAC 16/6 1KG	N	2		6	EA	2.2	EA	13.2	1
5405551			GREASE KRYTOX 240AD PFPE;2OZ	Grease	2	3	8	EA	0.125	EA	1	1
5405765			CLEANER GLASS (LAB GLASS) GAL	Lab Exem	19	5	2	EA			0	1
5406198			GREASE high-pressure 14oz	Grease	8	15	158	EA	0.875	EA	138.25	1
5406240			GREASE-CARTRIDGE AEROSHELL #6	Grease	25	2	57	EA			0	1
5406869	1370		ANTIMONY DOPANT PURITY 99.9999%	Y	99	150	106	KG	2.2	KG	233.1998	0.999999
5406870			BORON DOPANT ULTRA-HI PURITY MESH -4 +40	N	950	4,700	3,350	G	0.002	G	7.37	1
5406904			PAINT SUPERCOAT 316L SS AEROSOL CAN	Str Exemp	24	7	15	CAN			0	1
5407102			SEALANT SILICON CLEAR 3 OZ TUBE G.E. #361	N	36	92	40	EA	0.188	EA	7.5	1
5407103	2148		SEALANT SILICONE WHITE 10.3 OZ TUBE	N	21	18	39	EA	0.644	EA	25.10625	1
5407104	2575		SEALANT RUBBER SILICONE RTV GE#W102 CART	N	12	23	45	EA			0	1
5407105			PASTE SILICON P12 WARMELEITPASTE (12/BOX	N	6		5	EA			0	1
5407106			SILICONE RTV HIGH TEMP RED MAK-A-GASKET	N	9	20	21	CAN			0	1
5407107	2337		SILICONE RTV HIGH TEMP BLUE MAK-A-GASKET	N	21	33	11	CAN			0	1
5407108			SILICONE RTV HIGH TEMP CLEAR MAK-A-GASKE	N	48	125	75	CAN			0	1
5407119			CLEANSER Ajax 21OZ institutional size	Jan Exem	58	72	45	EA	1.313	EA	59.0625	1
5407326		239280	SODIUM HYDROXIDE 50% CAUSTIC SODA LIQUID [680 LB/DR]	N	12	277	291	DR	680	DR	98940	0.5
5407328	2093		CLEANER instant contact #CRC-02016	Y	29	54	52	CAN			0	1
5407329			CLEANER FLOOR FPH-7 (6 BOXES = 1 CASE)	Jan Exem	8	3	2	CS			0	1
5407330			CLEANER DUST CHASER SPRAY VWR# 21899-094	Jan Exem	20	102	168	CAN			0	1
5407331	2256		DEGREASER gel engine [spgr=0.8]	Y	6	9	13	CAN			0	1
5407332	2169		CLEANER elecytric motor KAR #65390-2	Y	14	12	21	CAN			0	1
5407333	2007		DRESSING BELT #65380	Y	5	3	3	CAN			0	1
5407334			STRIPPER / REMOVER PAINT, CARBON & GASKETS	Str Exemp	4	2	4	CAN			0	1
5407336	2796		SOAP ZEP FORMULA #15282 NON-SUDSING 100#	N	1	9	6	DR	100	DR	600	1
5407337	2394		CLEANER ULTRASONIC SOLUTION BRANSON MC-2	N	8	10	2	GAL			0	1
5407338	2183	263391	ETHYLENE GLYCOL tech grade [515 LB/DR]	Y	2	21	25	DR	515	DR	12810.63	0.995
5407339	1078	606211	AMMONIUM HYDROXIDE 28-30% CLASS 10 375#([375 LB/DR]	Y (ammor	3	187	202	DR	375	DR	21967.5	0.29
5407340		620437	HYDROGEN PEROXIDE 30% CLASS 10 55GAL/DRU [500 LB/DR]	N	4	539	553	DR	500	DR	82950	0.3
5407341		615506	HYDROGEN PEROXIDE 30% CLASS 10 (4 GAL/CA [37 LB/CS]	N	4	63	204	CS	37	CS	2264.4	0.3
5407346	2546		REFRIGERANT R-11 (200#/DRUM)	Y	10	1	1	DR	200	DR	200	1
5407347	2548		REFRIGERANT R-22 (30 LBS)	Y	7	15	13	DR	30	DR	390	1
5407348	2762		RUST-INHIBITOR VECTOR HTR [spgr=1.025]	N	8	52	117	DR			0	1
5407349	2764		LAPPING VEHICLE HTS 1.4 55GAL/DRUM [spgr=1.010]	N	15	57	89	DR	463.3	DR	41232.54	1
5407351	2298	634304	HYDROFLUORIC ACID CLASS 10 BULK PRODUCT	Y	?	298,948	290,154	LB	1	LB	142175.5	0.49

SCOEPA00051831

Material Number	MSDS Number	VW&R Prod #	Material Description	TRI Chemical	Stock on Hand	Total 1996 Consumption	Total 1997 Consumption	Unit of Measure	Pounds	Units	Total Pounds	conversion
5407352	2294/2293		HYDROCHLORIC ACID 36.5-38% SEMI GRADE [spgr=1.2]	Y (aeroso	5	41	45	DR	550.4	DR	9164.826	0.37
5407353	2431	620615	NITRIC ACID CLASS 10 BULK PRODUCT	Y	?	1,472,740	1,966,452	LB	1	LB	1386349	0.705
5407355	2297	649303 &	HYDROFLUORIC ACID CLASS 10 GRADE DRUMS [49%, 500 LB/DR]	Y	7	92	79	DR	500	DR	19355	0.49
5407356	2403		STRIPPER PHOTORESIST #843987	Y	3	22	9	CS			0	1
5407358	1064		ETCHANT ALUMINUM 16-1-1-2 [spgr=1.6]	Y	10	7	9	CS	53.38		480.384	1
5407359	2295		HYDROCHLORIC ACID 37% PPB GRADE 10# BTL	Y (aeroso	30	481	214	EA	10	EA	791.8	0.37
5407361	2431	622846	NITRIC ACID CLASS 10 GRADE 55GAL/DRUM [575 LB/DR]	Y	2	21	28	DR	575	DR	11350.5	0.705
5407362	2295		HYDROCHLORIC ACID 37% PPB GRD 55GAL/DRUM [spgr=1.2]	Y (aeroso	6	74	90	DR	550.4		18329.65	0.37
5407365	2377	292160	SLURRY LUDOX TM-50-W PRE-POLISH [625 LB/DR]	N	0	459	123	DR	625	DR	76875	1
5407366	2262		SLURRY 3900 Glanzox polishing cmpd (bag)	Y (ammor	312	11,652	9,759	EA	22	EA	214698	1
5407367	2262		SLURRY 3900-200 Glanzox 55gal/drum	Y (ammor	23	208	794	DR	440	DR	349360	1
5407368	2565	636560	SLURRY FINAL POLISH RODEL XSL3476 (LS10) [450 LB/DR]	Y (ammor	8	270	235	DR	450	DR	105750	1
5407369	2567		SLURRY RODELENE PREMIX FOR 59SPAW [spgr=1.05]	Y (et glyc	22	2	1	DR	481.6	DR	481.635	1
5407370	2166		SLURRY EDGE MIRROR II P/N RD94047-280	N	4	19	73	DR			0	1
5407371	2260		SLURRY HP20-220 Glanzox 55gal/drum	N	5	52	203	DR			0	1
5407372	2260		SLURRY HP20-20 Glanzox (bucket) rough &	N	58	533	682	CAN	44	CAN	30008	1
5407373	2392		COMPOUND POLISHING DIAMOND METADI II 1/4	N	10		3	EA			0	1
5407375		193920	ACETONE [358 LB/DR]	N	0	7	5	DR	358	DR	1790	1
5407376		645916	ISOPROPYL ALCOHOL (IPA) 99% [362 LB/DR]	N	5	88	120	DR	362	DR	43005.6	0.99
5407377			PHENOLPHTHALEIN INDICATOR SOLUTION 1L	Lab Exem	1	46	25	EA			0	1
5407378			SODIUM HYDROXIDE 1.000 NORMAL 1 GAL	N	10	14	14	EA			#VALUE!	?
5407379			POTASSIUM PERMANGANATE 0.5000 NORMAL1 GA	N	5	53	58	EA			#VALUE!	?
5407380	2913		SULFURIC ACID 25% +/-0.5% by weight 1gal [spgr=1.178]	Y (aeroso	9	44	62	EA	9.825	EA	152.2801	0.25
5407381		607619	CALCIUM CHLORIDE BRINER GRADE (50#/BG)	N	3	74	27	BAG	50	BAG	1350	1
5407382	?		COOLANT grind spindle heat exchanger STC (0.5 gal)	N	2	10	8	BTL			0	1
5407383		639943	SODIUM HYPOCHLORITE (12.5%) [40 LB/CS]	N	?	0	182	CS	40	CS	910	0.125
5407384			SILICA STANDARD SOLUTION 50PPB #22695-17	Lab Exem	2	25	28	GAL			0	0.00000005
5407385	2068		CITRIC ACID REAGENT #22542-17 3.78L	Lab Exem	1	25	30	BTL			0	1
5407386	2692		SURFACTANT REAGENT #22693-17 3.78L	Lab Exem	3	24	28	BTL			0	1
5407387	2417		MOLYBDATE 3 REAGENT #1995-17	Lab Exem	4	25	28	GAL			0	1
5407388	1074		AMINO ACID F	Lab Exem	1	26	28	GAL			0	1
5407389		502779	SODIUM BISULFITE ANHYDROUS GRAIN 50#BG	N	10	35	56	BAG	50	BAG	2800	1
5407390	2913		SULFURIC ACID 50% +/-1.0% W/W 1 gal [spgr=1.395]	Y (aeroso	6	10	7	GAL	11.63	GAL	40.72005	0.5
5407391	2684		SULFURIC ACID 0.1000 Normal 4 liter BTL	Y (aeroso	4	21	34	EA	0.043	EA	1.467277	1
5407392	2584	339810	ANTIFOAM SAG 710 470#/DRUM	N	3	64	15	DR	470	DR	7050	1
5407393			TETRAMETHYLAMMONIUM HYDROXIDE (TMAH) 25% (1 gal)	N	166	1,303	4,964	GAL			0	0.25
5407394			TETRAMETHYLAMMONIUM HYDROXIDE (TMAH) 25%	N	4	138	185	DR			0	0.25
5407399			ABRASIVE AL OX 15 MICRON PRODUCT CODE 15	N (fibrous	42	372	424	DR	135	DR	57,240	1
5407400			ABRASIVE AL OX 7 MICRON PRODUCT CODE 9 A	N (fibrous	0	824	224	DR	176	DR	39,870	1
5407402	2402		ABRASIVE AL OX WCA-30 20KG	N (fibrous	10	77	115	BOX	44	BOX	5060	1
5407403			ABRASIVE QUARTZ POWDER FQ2000	N	60	861	1005	KG	2.2	KG	2211	1
5407404			ABRASIVE SIC NTC GC800	N	94	42	4	BOX			0	1
5407405			ABRASIVE SIC FUJIMI GC800	N	0	1,160	287	BOX	20	BOX	5740	1
5407406		645820	ABRASIVE SiC ESK P1000 (150 KG/drum)	N	21	497	2374	DR	330	DR	783420	1
5407407	2572		RUST-INHIBITOR RP-TEAM (55 GAL) [spgr=1.12]	De minimi	2	11	17	EA	513.7	DR	8733.648	1
5407408	2419		LUBRICANT spray Molykote 321R Dow-Cornin	Y	4	2	5	EA			0	1
5407409	2420		GREASE Dow Corning Molykote BR-2 plus	N	7	22	20	EA			0	1
5407410	1089		GREASE HIGH VACUUM DOW 976-V 5.3 OZ TUBE	N	13	28	39	EA	0.331	EA	12.91875	1

SCOEPA00051832

Material Number	MSDS Number	VW&R Prod #	Material Description	TRI Chemical	Stock on Hand	Total 1996 Consumption	Total 1997 Consumption	Unit of Measure	Pounds	Units	Total Pounds	conversion
5407411	2700		GREASE TEFLON SYNCOLUBE EP SCC-5-14C	N	22	55	19	EA	0.906	EA	17.21875	1
5407412			GREASE BARRIERTA L55/2 1 KG CAN	Grease	2	4	1	CAN	2.2	CAN	2.2	1
5407413			GREASE CHRISTO LUBE	Grease	0	0	1	EA			0	1
5407414	1089		GREASE APIEZON-M HI VACUUM HPC59330-040	N	3	12	1	EA	0.22	EA	0.22	1
5407415	2601		GREASE SHELL ALVANIA EPRO FOR SPEEDFAM L	Grease	1	0	2	EA			0	1
5407416			GREASE UNIREX N3 (EXON); AC1400	Grease	2	1	1	PL			0	1
5407417			ELECTROLYTE HYDROGEN CHLORIDE	N	5	9	6	BTL			0	1
5407418			ELECTROLYTE HYDROGEN FLUORIDE	N	5	6	6	BTL			0	1
5407419	2421		OIL VACUUM 55GAL MORLINA 100	N	8	48	43	DR			0	1
5407420			OIL VACUUM PUMP DOUBLE DISTILLED 1 L INV	Oil	25	41	18	BTL			0	1
5407421			OIL VACUUM PUMP DBL DISTILLED (5 gal)	Oil	15	52	30	CAN			0	1
5407422	2706		OIL TELLUS 32 55GAL/DRUM	N	2	5	8	DR			0	1
5407423			OIL TELLUS 22	Oil	2	5	2	EA			0	1
5407424		644785 &	DIPROPYLENE GLYCOL 470#/55GAL DRUM	N	9	342	1499	DR	470	DR	704530	1
5407425			OIL DTE-25 MOBIL (TELLUS 46) 5 X GALLON	Oil	8	18	37	CAN			0	1
5407426	2044	645814	OIL CUTTING CASTROL PRODUCT 188/96-2 200 [436 LB/DR]	N	0	68	92	DR	436	DR	40112	1
5407427			OIL GEAR MOBIL GLYGOYLE 30 55GAL	Oil	0	5	6	DR			0	1
5407428	2610		OIL TONNA V 68 LINEAR WAY LUBRICANT (5 gal)	N	1	4	3	EA			0	1
5407429			OIL HYDREM ORDER NO. 8111005 NLG 22.70	Oil	0	4	1	EA			0	1
5407431	1011		LUBRICANT CRC 3-36 16oz can	N	27	210	164	EA	1	EA	164	1
5407432	2457		LUBRICANT Parker-O-Lube #884-4	N	5	7	4	EA			0	1
5407433	1010		LUBRICANT CRC 3-36 (1 gallon)	N	4	15	23	GAL			0	1
5407434	2602		GREASE ALVANIA EP 2 (14.5 OZ CARTRIDGE) [spgr<1]	Grease	0	39	79	EA	0.906	EA	71.59375	1
5407435	2344		LUBE teflon #79417	Y	1	13	5	CAN			0	1
5407436	2154		LUBRICANT teflon dry #79418	Y	5	6	4	CAN			0	1
5407437	2284		LUBRICANT MOLY HIGH TEMP	Y	2	6	3	CAN			0	1
5407438	2443		LUBE OPEN CHAIN & SPROCKET #65389	Y	3	0	1	CAN			0	1
5407439	2427		CEMENT NEOPRENE TURNTABLE COVERING CARBO	Y	2		1	BTL			0	1
5407440			HELIUM GR 4.7 50PPM MAX IMP FOR LEAK DET 300	N	2	7	4	CYL	3.01	CYL	12.04	1
5407441			HELIUM GRADE 6 (99.9999% PURE) 300	N	3	98	85	CYL	3.01	CYL	255.85	1
5407442			AIR 2.0 200# CYL LESS THAN 2PPM THC	N	1	2	4	CYL	17.11	CYL	68.44	1
5407443			NITROGEN GRADE 5 (99.999%) 300#CYL	N	18	629	597	CYL	21.89	CYL	13068.33	1
5407444			OXYGEN GRADE 4.3 SIZE 300	N	1	6	6	CYL	27.72	CYL	166.32	1
5407445			ARGON GRADE 5 300# CYL #331-01430	N	28	170	146	CYL	34.5	CYL	5037	1
5407446			ARGON / 20% HELIUM #6 MIXTURE SIZE 300	N	4	37	117	CYL	0.575	CYL	67.27266	1
5407447			HYDROGEN 1%	N	1	15	7	CYL			0	0.01
5407448	2304		HCL GRADE 5 EPI 200# CYL	Y (aeroso	45	2,095	2,450	CYL	60	CYL	147000	1
5407449	2731		TRICHLOROSILANE (TCS) ELECTRONIC GRADE 5	Y (HCl aer	3	213	227	CYL	550	CYL	124850	1
5407450			NITRIC OXIDE 80PPM RESTRICTED ORIF CGA 6	N	1	4	8	CYL	1E-03	CYL	0.00768	1
5407451			HYDROGEN BULK PRODUCT 18000 GAL TANK	N	?	657,544	697,226	CCF			0	1
5407452			ARGON BULK PRODUCT	N	9,628	96,615	78,915	CCF			0	1
5407454			NITROGEN BULK PRODUCT - TM 11000	N	?	726,173	803,986	CCF			0	1
5407455			NITROGEN BULK PRODUCT - TM 13000	N	91,394	1,119,496	1,730,097	CCF			0	1
5407456	2633		LEAK-detector snoop 8 OZ tube MS-SNOOP-8	N	16		10	EA	0.5	EA	5	1
5407466	2631		WAX SKYLIQUID CLEAR HF3511 2 LITER	Y (toluene	153	831	909	BTL		L	0	1
5407470	2803		CLEANER zero residue instant tech spray	? (glycol e	11	8	37	CAN			0	1
5407476			DETERGENT LIQUID LIQUINOX 1 QT VWR# 2183	Jan Exem	4	2	4	EA	2	EA	8	1
5407478			BUFFER PH12 Ricca 16oz	N	0	151	128	BTL	1	BTL	128	1

CCF = 100 cubic feet per Tricia DO

SCOEPA00051833

Material Number	MSDS Number	VW&R Prod #	Material Description	TRI Chemical	Stock on Hand	Total 1996 Consumption	Total 1997 Consumption	Unit of Measure	Pounds	Units	Total Pounds	conversion
5407480	2967	358800	STEPANOL AM AMMONIUM LAURYL SULFATE [450 LB/DR]	N	1	10	16	DR	450	DR	7200	1
5407483	2712		TERGITOL surfactant MIN-FOAM 1X 1 QT	De minimi	25	13	6	CAN	2	CAN	12	1
5407497	2133		DETERGENT polish plate clean Devel A (20 L) [density=1.004]	N	201	174	544	PL			0	1
5407543	2864		PH BUFFER PH 10 B 304 (BLUE) (1 gal)	N	8	61	57	GAL			0	1
5407544	2863		PH BUFFER PH 7 HPC (YELLOW) (1 gal)	N	17	41	50	GAL			0	1
5407545	2862		PH BUFFER PH 4 HPB1163-8 (RED) (1 gal)	N	4	17	23	GAL			0	1
5407937	2380	634282	LUTENSOL AP 10 210KG/DRUM [514 LB/DR]	N	2	92	69	DR	514	DR	35466	1
5407938	2740		CAVICLEAN #2 CLEANING SOLUTION TURCO (55 gal) [spgr=1.05]	N	1	10	9	DR			0	1
5407939	2533	634283	Q9 DETERGENT 200L/55GAL DRUM [530 LB/DR]	N	4	218	320	DR	530	DR	169600	1
5407940	2757	378790	VANWET 9N9 480#/55GAL DRUM	N	3	33	42	DR	480	DR	20160	1
5407941		501035	CITRIC ACID ANHYDROUS USP GRADE 50#(22.7	N	23	260	253	BAG	50	BAG	12650	1
5407942		647402	POTASSIUM CARBONATE ANHYDROUS GRANULAR [112 KG/DR]	N	8	557	508	DR	246.4	DR	125171.2	1
5407943		644464	POTASSIUM HYDROXIDE (KOH) PELLETS 110#(4	N	26	2,805	3,733	DR	110	DR	410630	1
5407946	2283		ANTI-SEIZE HIGH TEMP INDUSTRIAL 1LB	Y	8	2	1	BTL	1	BTL	1	1
5407947	2340		LUBRICANT SILICON	N	3	4	5	CAN			0	1
5407948	2332		GREASE MULTI PURPOSE WHITE	Grease	11	3	4	EA			0	1
5407953	2286		VINNAPAS C305 (SOLUTION) 16OZ [spgr=0.79]	De minimi	16		42	BTL	0.824	BTL	34.59015	1
5407955	2750		EPOXY VALTRON AD1230 4-1 GAL/CS PART A	N	32		70	CS			0	1
5407956	2749		HARDNER AD1211-B RED PIGMENT	N	23		71	CS			0	1
5407957			EPOXY fast cure grey	N	88		1593	CAN			0	1
5407960	2569		ROKRAMAR 6200 (25 KG/BAG)	N	44	157	133	BAG	55	BAG	7315	1
5407961	2055		CELITE 535 FILTER AID (50#/BAG)	N	1		1	BAG	50	BAG	50	1
5407962	2113		DYE CRYSTAL VIOLET EM#CX2095-7 12-100GR	N	3		5	CS	2.64	CS	13.2	1
5407965	2722		ADHESIVE TIXO K-10 10 GM/EACH	N	41		89	EA	0.022	EA	1.958	1
5407966	2956		ADHESIVE 10 ML blue thred	Y	7		25	EA			0	1
5407967	1055		ADHESIVE all purpose & trim #77160	Y	3		3	CAN			0	1
5410482			OIL way lubricating (notch grinder) (5 gal)	Oil	3	4	1	CAN			0	1
5410534			OIL AEROKOIL LOOSENS FROZEN METAL PARTS	Oil	18	23	31	EA			0	1
5411791			ACETIC ACID GLACIAL 2.5L BOTTLE	N	0	57	15	BTL	2.5	L	#VALUE!	?
5412285	?		CARULITE 200 (ozone destruct catalyst)	N (assum	45	0	45	LB	1	LB	45	1
5412401	2843		ANTISCALENT HYPERSPERSE AF 150	N	0		6	DR			0	1
5412656	2763		LAPPING VEHICLE HTS 1.3 55GAL/DRUM [spgr=1.01]	N	15	0	23	DR			0	1
5412683	2361	651493	SLURRY Levasil 200 colloidal silica 55ga [550 LB/DR]	N	9	0	807	DR	550	DR	443850	1
5412841	2469		SOLUTION storage PH (Edge Polish) 475ml	N	4	0	14	BTL			0	1
5412997	2106		ADHESIVE high-temp epoxy Duralco 4703-1	N	1		1	KIT			0	1
5413014	2585	646972	ANTIFOAM SAG 795 55GAL/DR [450 LB/DR]	N	1	0	4	DR	450	DR	1800	1
5413200			ABRASIVE aluminum oxide 5.75 um	N (fibrous	49		1292	DR			0	1
5413542	2819		WAX SKYLIQUID CLEAR HF4011 2 LITER [spgr=0.902]	Y (toluene	324		1792	BTL	3.975	BTL	7123.193	1
5413766			GREASE AFA 70g THK bellows applicator	Grease	7		3	EA	0.154	EA	0.462	1
5414518	2911/2296		HYDROFLUORIC ACID 25% finite grade 1L	Y	70		10	BTL			0	0.25
5414519	2911/2296		HYDROFLUORIC ACID 25% finite grade 1/2L	Y	0		150	BTL			0	0.25
5415107		194121	ACETONE semiconductor grade 4 gal/CS [26 LB/CS]	N	5		7	CS			0	1
		200160	ALUMINUM SULFATE 48% SOLN	N			391000	LB	1	LB	187680	0.48
	2820	648034	BIOCLEAN 103A [45 LB/PL]	N			57	PL	45	PL	2565	1
	2012	633655	BIOCLEAN 107A [45 LB/PL]	N			5	PL	45	PL	225	1
	2013	633656	BIOCLEAN 511 DET/CHELANT [45LB/PL]	N			41	PL	45	PL	1845	1
		630701	BLEND SODIUM SULFIDE 10%	N			156460	LB	1	LB	15646	0.1
		600364	CAUSTIC SODA 25% WET WT	N			461280	LB	1	LB	115320	0.25

SCOEPA00051834

Material Number	MSDS Number	VW&R Prod #	Material Description	TRI Chemical	Stock on Hand	Total 1996 Consumption	Total 1997 Consumption	Unit of Measure	Pounds	Units	Total Pounds	conversion
		238120	CAUSTIC SODA 50%	N			3400	LB	1	LB	1700	0.5
		602235	CAUSTIC SODA 50%	N			63940	LB	1	LB	31970	0.5
		239870	CAUSTIC SODA PELS [50 LB/BAG]	N			120	BAG	50	BAG	6000	1
	2888/215	255881	DOWTHERM SR-1 [518 LB/DR]	Y (et glycol)			1	DR	518	DR	518	1
		656261	POTASSIUM CARBONATE ANHYDROUS GRANULAR [50 KG/DR]	N			42	DR	110	DR	4620	1
		643621	POTASSIUM CARBONATE LO... [100 LB/DR]	N			19	DR	100	DR	1900	1
		650494	SODIUM BISULFITE 38% [570 LB/DR]	N			2	DR	570	DR	433.2	0.38
		346231	SODIUM CHLORITE 25%	N			10380	LB	1	LB	2595	0.25
	2685	361070	SULFURIC ACID 66 BE	Y (aerosol)			67200	LB	1	LB	67200	1
	2685	361330	SULFURIC ACID 66 BE [750 LB/DR]	Y (aerosol)			11	DR	750	DR	8250	1
	2685	600231	SULFURIC ACID 66 BE	Y (aerosol)			39380	LB	1	LB	39380	1
	2585	647693	ANTIFOAM SAG 795 [2250 LB/TK]	N			18	TK	2250	TK	40500	1
		Albina	Diesel (No. 2)	De minimis			702	GAL	7.172	GAL	5035	1
		Albina	Low Sulfur Diesel (No. 2)	N			1133	GAL	7.172	GAL	8126	1
		Albina	Kersoene (or Diesel Fuel #1) [spgr=0.81]	Y (naphthalene)			678	GAL	6.755	GAL	4580	1
	2788	HPC	Wright Etch [spgr=1.12]	Y		640	480	PT	1.168	PT	560	1
	2064	HPC	Chromium Trioxide [spgr=1.295]	Y (cr cmpds)		150	225	GAL	10.8	GAL	2430	1
	2505	HPC	Potassium Dichromate [spgr=1.020]	Y (cr cmpds)		235	305	GAL	8.507	GAL	2595	1
		Ash Grov	Lime	N			510	TON	2000	TON	1020000	1
		BetzDearborn										

Notes:
- Material Number & Description and Total 1997 Consumption obtained from "sap chemical download.xls" which was generated on 4/15/98 from ZMR00031 using the MAT'L GROUPS variant and from "add'l sap chemicals.xls" which was generated on 5/28/98 from ZMR00031 using Material Groups 685, 700, and 865. Also, VW&R Prod # and, for items not identified in SAP, Material Description and Total 1997 Consumption obtained from VW&R Customer Sales by Product report. Fuel data from Albina Fuels and located in Air Permits/Licenses 1997 Data file.
- Chromium compound data from Mike Hogue (HPC). Ash Grove lime data from Thien Do (Wacker Purchasing).
- Data in brackets ([ ]) obtained from MSDS or *Perry's Chemical Engineers' Handbook*. Density in g/cc (g/ml) equals specific gravity (spgr).
- Stock on Hand obtained from ZMR00039 Warehouse Item Detail (02/05/1998).
- TRI Chemicals identified with Y or Y (qualifier). Exemptions cited: Lab = Lab Activities; Str = Otherwise Use Structural Component; Jan = Otherwise Use Janitorial or Grounds Maintenance.
- Oils generally contain heavy naphthenic distillates (CAS #s 64742-xx-x) and are not identified as TRI Chemicals. Greases generally contain polymers in oil with 1-5% metal compounds. They are not used in quantities that approach TRI thresholds, therefore, they are not evaluated as TRI Chemicals.

SCOEPA00051835

1997 Monthly Hazardous Waste Generation

Three major waste streams: Alcohol's, Wax from Enya, and Chrome Sludge

Mixed

Waste	Amt generated annually (lbs)	Monthly Average (lbs)	
Alcohol's	2,891	241	D001 - Flammable
Wax from Enya	7,435	620	D001 - Flammable
Chrome Sludge	3,874	323	D007 - Toxic
All other haz wastes	724	60	(These would be lab packs, miscellaneous toxic &/or flammable wastes)
Total:	**14,924**	**1,244**	

1997 total hazardous waste generated: 14,924 pounds

SQG status: Generate less than 2,200 pounds of hazardous waste per month
Accumulate no more than 13,200 pounds of hazardous waste on-site at any time

SCOEPA00051836

1997 Hazardous Waste Shipments

Date Shipped	Manifest Number	Waste Stream	Profile Number	Waste Code(s)	Receiving Facility	DEQID Numb	Mgmt. Code	UM	QNTY	Density	LBS	Haz
1/6	50083	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	30	7.50	225	Y
1/27	50145	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	30	7.50	225	Y
										TOTAL:	**450**	
2/4	52183	Partially full aerosol containers	328034	D001, D003	Romic	CAD009452655	M043	LB	15		15	Y
2/4	52183	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	30	7.50	225	Y
2/25	50146	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	225	7.50	225	Y
										TOTAL:	**465**	
3/12	50143	Isopropanol, Alcohol	321346	D001	Romic	CAD009452655	M051	GL	110	7.51	826	Y
										TOTAL:	**826**	
4/17	41797	Potassium Cyanide	Lab Pack	P098	Romic	AZD009015388	M043	LB	10		10	Y
4/17	41797	Waste Lithium	Lab Pack	D001	Romic	AZD009015388	M043	LB	10		10	Y
4/17	80403	Acetonitire, Acetone	Lab Pack	D001	Romic	CAD009452655	M051	LB	25		25	Y
4/17	80403	Ammonium Persulfate	Lab Pack	D001	Romic	CAD009452655	M043	LB	13		13	Y
4/17	80403	Potassium Dichromate	Lab Pack	D001, D007	Romic	CAD009452655	M043	LB	14		14	Y
4/17	81638	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	437	7.28	437	Y
4/29	97152	Chrome Sludge	J81268	D007	CWM	ORD089452355	M132	LB	1674		1,674	Y
										TOTAL:	**2,183**	
5/12	05137	Acetone, Methanol	321346	D001	Romic	CAD009452655	M051	GL	55	7.51	413	Y
5/12	05137	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	233	7.77	233	Y
										TOTAL:	**646**	
6/10	11655	Partially full aerosol containers	328034	D001, D003	Romic	CAD009452655	M043	LB	15		15	Y
6/10	11655	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	690	7.67	690	Y
6/24	97232	Chrome Sludge	J81268	D007	CWM	ORD089452355	M132	LB	580		580	Y
										TOTAL:	**1,285**	
7/8	06765	Acetone, Methanol	321346	D001	Romic	CAD009452655	M051	GL	55	7.51	413	Y
7/8	06765	Mercury Contaminated Debris	300398	D009	Romic	CAD009452655	M012	LB	7		7	Y
7/8	06765	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	468	7.80	468	Y
7/24	10732	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	GL	216	7.20	216	Y
										TOTAL:	**1,104**	

SCOEPA00051837

1997 Hazardous Waste Shipments

8/5	52284	Freon, Trichlorotrifluoroethanol	Lab Pack	F002	Romic	CAD009452655	M021	LB	25		25	Y
8/5	52284	Waste Butanols	Lab Pack	D001	Romic	CAD009452655	M051	LB	18		18	Y
8/5	52284	Waste Mercury	Lab Pack	D009	Romic	CAD009452655	M012	LB	11		11	Y
8/5	52284	Waste Paint (epoxy)	Lab Pack	D001	Romic	CAD009452655	M051	LB	80		80	Y
8/5	80597	Waste Lithium (lab pack)	326646	D003	Romic	AZD009015388	M012	LB	14		14	Y
										TOTAL:	**148**	
9/4	79675	Hydrocarbon Solvents	321161	D001	Romic	CAD009452655	M051	GL	70	6.67	467	Y
9/4	79675	Mixed Alcohol Waste	321346	D001	Romic	CAD009452655	M051	GL	55	7.51	413	Y
9/4	79675	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	LB	685	7.61	685	Y
										TOTAL:	**1,565**	
10/1	84880	Wax from Enya	325054	D001,F005	Romic	CAD009452655	M043	LB	646	7.18	646	Y
10/6	97406	Chrome Sludge	J81268	D007	CWM	ORD0894523	M132	LB	1620		1,620	Y
										TOTAL:	**2,266**	
1/7/98	80025	Wax from Enya	325054	D001, F005	Romic	CAD009452655	M043	LB	3160	6.58	3,160	Y
1/7/98	80025	Acetone, Methanol	321346	D001	Romic	CAD009452655	M051	gl	110	7.51	826	y
										TOTAL:	**3,986**	
						GRAND TOTAL (lbs):					**14,924**	
SQG status: Generate less than 2,200 pounds of hazardous waste per month												
Accumulate no more than 13,200 pounds of hazardous waste on-site at any time												

SCOEPA00051838

TIER TWO EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Facility Identification (Tank(s) at)	Owner/Operator Name
Name WACKER SILTRONIC CORP	Name WACKER SILTRONIC CORP Phone ( ) -
Address 7200 N W FRONT AVE	Address 7200 N W FRONT AVE PORTLAND OR 97210
City PORTLAND St OR Zip 97210	
County MULTNOMAH	Emergency Contact
SIC Code 3339 D&B Number 096253737	Name Title
	Phone ( ) - 24 Hr. Phone ( ) -
Official use only / ID # / Date Received	Name Title
	Phone ( ) - 24 Hr. Phone ( ) -

Reporting Period from January 1 to December 31, 1996 | __Check if info below is the same as last year

Chemical Description	Physical and Health Hazards	Inventory	Con	Prs	Tmp	Storage Codes & Locations (Non-Confidential) Storage Location	Opt
CAS 007440 37 1 Trade Scrt _ Chem. Name ARGON CRYOGENIC LIQUID Pure X Mix _ EHS _ Solid _ Liquid X Gas X	_ Fire X Sudden Rel. of Pressure _ Reactivity X Imm(Acute) _ Del(Chronic)	05 Max daily amt. 05 Avg daily amt. 365 Days onsite	A	2	7		
CAS 001333 74 0 Trade Scrt _ Chem. Name HYDROGEN CRYOGENIC LIQUID Pure X Mix _ EHS _ Solid _ Liquid X Gas X	X Fire X Sudden Rel. of Pressure _ Reactivity X Imm(Acute) _ Del(Chronic)	04 Max daily amt. 04 Avg daily amt. 365 Days onsite	A	2	7		
CAS 007727 37 9 Trade Scrt _ Chem. Name NITROGEN CRYOGENIC LIQUID Pure X Mix _ EHS _ Solid _ Liquid X Gas X	_ Fire X Sudden Rel. of Pressure _ Reactivity X Imm(Acute) _ Del(Chronic)	05 Max daily amt. 05 Avg daily amt. 365 Days onsite	A A	2 2	7 7		

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through __, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

Name & Title _____ Signature _____ Date _____

Optional Attachments: __ I have attached a site plan. __ I have attached a list of site coordinates.
__ I have attached a description of dikes and other safeguard measures.

BetzDearborn
Water Management Group

A Division of Hercules

To: Petra Mattes 12-14-98
From: Steve Cohen

Pounds of Product shipped to Wacker Siltronic 1997, 1998

Product	1997	1998
	Microbiocide	
Dearcide 734	22	22
Dearcide 735	10	0
	Cooling Water Corrosion Inhibitors	
PolyElpH 956	12,376	0
Continuum AEC3100	15,006	0
	Closed Loop Inhibitor	
Dearborn 545	3,200	0
Corrshield MD4101	2,500	5,843
	Boiler Water Treatment Chemicals	
Dearborn 154	1,764	0
Optigard MCA623	3,932	6,672
	Waste Water Treatment Polymer and coagulant aids	
Aquafloc 477	3002	0
Polyfloc AE1115	6,975	6,975
Polyfloc AE1120	0	120
Polyfloc AE1132	0	132
Klaraid IC1172	0	9,000

SARA 312
GAGES

PRAXAIR

Praxair, Inc.
P.O. Box 1986
Danbury, CT 06813-1986

February 19, 1998

WACKER SILTRONIC CORP
7200 N W FRONT AVE
PORTLAND OR 97210

SUBJECT: EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY FORMS AND COMMUNITY RIGHT-TO-KNOW REPORTING REQUIREMENTS

Dear: Client

Section 312 of the Superfund Amendments and Reauthorization Act of 1986 (SARA) requires the owner or operator of a facility which is required to prepare or have available a Material Safety Data Sheet (MSDS) for a chemical deemed hazardous under the Occupational Safety and Health Act (OSHA) of 1970, to prepare and submit an annual "Inventory Form" covering such chemical to each of the following agencies on or before March 1 of each year.

-- the appropriate Local Emergency Planning Committee
-- the state Emergency Response Commission
-- the Fire Department with jurisdiction over the facility

Under present Federal Law, for the purposes of the product(s) covered by this letter, hazardous chemicals (compressed and cryogenic gases ever present at a facility in amounts equal to or greater than 10,000 pounds must be reported on an Inventory Form for the reporting year 1997.

Compressed and cryogenic (refrigerated) gases are hazardous under OSHA because they can cause injury if they are released inadvertently or in an uncontrolled manner.

A review of our records indicates that an Inventory Form covering product(s) Praxair sold you in 1997 is required to be filed by March 1, 1998.

As part of Praxair's value added service, we have enclosed a nearly completed Federal Tier II Inventory Form to make it as easy as possible for you to comply with these reporting requirements for our product. Prior to filing, you should complete the remainder of the Form by following the enclosed instructions and carefully review it to make sure all the information is accurate and complete. Then have the form signed, dated and submitted to each of the agencies identified above.

AS980219

SCOEPA00051874

If you have more than one covered Praxair storage tank at your site, you may receive separate communications for each separate tank. We apologize for any confusion this may cause.

For additional information on EPCRA reporting obligations and compliance information, call the EPA EPCRA Hotline 1-800-535-0202, or (703) 920-9877 in Washington, DC and Alaska.

Should you have any questions or if we can be of any assistance in connection with the necessity, completion or filing of the Inventory Form, please call Moira Sullivan at 203-837-2307.

If you are not the person responsible for addressing these issues, it is important that you promptly forward this to the appropriate party. We hope that the information being provided is helpful. We have always valued your business and look forward to continuing to work with you in the future.

Sincerely,

PRAXAIR, INC.

Moira P. Sullivan
Contract Administration

TIER TWO EMERGENCY AND HAZARDOUS CHEMICAL INVENTORY

Facility Identification (Tank (s) at)	Name WACKER SILTRONIC CORP	
Address 7200 N W FRONT AVE	City PORTLAND	St OR Zip 97210
County MULTNOMAH	SIC Code 3674	D&B Number 096253737

Owner / Operator Name
Name WACKER SILTRONIC CORP — Phone ( ) -
Address 7200 N W FRONT AVE — PORTLAND OR 97210

Emergency Contact
Name — Title
Phone ( ) - — 24 Hr. Phone ( ) -
Name — Title
Phone ( ) - — 24 Hr. Phone ( ) -

Official use only ID# Date Received

Reporting Period from January 1 to December 31, 1997 ___ Check if info below is the same as last year

Chemical Description

CAS 007440 37 Trade Scrt _ Chem. Name ARGON CRYOGENIC LIQUID X Pure _ Mix _ EHS _ Solid X Liquid X Gas	CAS 001333 74 Trade Scrt _ Chem. Name HYDROGEN CRYOGENIC LIQUID X Pure _ Mix _ EHS _ Solid X Liquid X Gas	CAS 007727 37 Trade Scrt _ Chem. Name NITROGEN CRYOGENIC LIQUID X Pure _ Mix _ EHS _ Solid X Liquid X Gas

Physical and Health Hazards

_ Fire X Sudden Rel. of Pressure _ Reactivity X Imm (Acute) _ Del (Chronic)	X Fire X Sudden Rel. of Pressure _ Reactivity X Imm (Acute) _ Del (Chronic)	X Fire _ Sudden Rel. of Pressure X Reactivity _ Imm (Acute) _ Del (Chronic)

Inventory

05 Max daily amt. 05 Avg daily amt. 365 Days on site	04 Max daily amt. 04 Avg daily amt. 365 Days on site	05 Max daily amt. 05 Avg daily amt. 365 Days on site

C P T o r m n s p	Storage Codes & Locations (Non - Confidential) Storage Location	OPT
A 2 7		☐
A 2 7		☐
A 2 7 A 2 7		☐

I certify under penalty of law that I have personally examined and am familiar with the information submitted in pages one through ___, and that based on my inquiry of those individuals responsible for obtaining the information, I believe that the submitted information is true, accurate and complete.

Name & Title _____ Signature_____

Date_____

Optional Attachments: ___ I have attached a site plan. ___ I have attached a list of site coordinates.
___ I have attached a description of dikes and other safeguard measures.

EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA) REPORTING REQUIREMENTS

EPCRA 302: Owners and operators are required to notify the State Emergency Response Commission (SERC) regarding the presence of extremely hazardous substance (EHSs) at their facilities. EHS are designated pursuant to EPCRA 302 and are listed in 40 Code of Federal Regulations (CFR) Part 355, Appendices A and B.

EPCRA 303: Owners and operators subject to EPCRA 302 are required to designate a facility emergency coordinator and provide any information necessary for emergency planning to the local emergency planning committee (LEPC) upon request.

EPCRA 304: Owners and operators of facilities are required to report releases of CERCLA hazardous substances and EPCRA EHSs to the SERC and LEPC immediately after the facility has knowledge that a reportable quantity has been released. The immediate notification must be followed by a written report as soon as practicable after the release.

EPCRA 311: Owners and operators that are required to prepare or have available Material Safety Data Sheets (MSDSs) under OSHA's Hazard Communication Standard must submit theses MSDSs or a list to the SERC, LEPC, and local fire department with jurisdiction over the facility.

EPCRA 312: Owners and operators that are required to prepare or have available Material Safety Data Sheets (MSDSs) under OSHA's Hazard Communication Standard must submit hazardous chemical inventory forms to the SERC, LEPC, and local fire department annually on March 1st.

EPCRA 313: Owners and operators of certain facilities are required to submit annual reports of routine and accidental releases to EPA and designated State agencies. Facilities are subject to this requirement if they are in Standard Industrial Classification (SIC) Codes 20-39, employ 10 or more employees full time, and manufacture, import, process, or use any of 300 toxic chemicals at greater than the designated threshold amounts. Reports are due annually on July 1st.

Any questions owners or operators may have regarding the EPCRA reporting requirements may be directed to your local emergency planning committee, your State emergency response commissions or to EPA'S EPCRA Hotline at (800) 535-0202 or (703) 920-9877 in Washington, D.C. and Alaska.

TIER TWO INSTRUCTIONS

GENERAL INFORMATION

Submission of this Tier Two form is required by the Emergency Planning and Community Right-to-Know Act, which implements Title III of the federal Superfund Amendments and Reauthorization Act of 1986. The purpose of the Tier Two form is to provide State, Tribal and local officials and the public with specific information on hazardous chemicals present at your facility during the past year.

CERTIFICATION

The owner or operator or the officially designated representative of the owner or operator must certify that all information included in the Tier Two submission is true, accurate and complete. On the first page of the Tier Two report enter your full name and official title. Sign your name and enter the current date. Also, enter the total number of pages included in the Confidential and Non-Confidential Information Sheets as well as all attachments. **Submissions to the Commission, LEPC and fire department with jurisdiction over the facility must each contain an original signature on at least the first page.** Subsequent pages must contain either an original signature, a photocopy of the original signature, or a signature stamp. Each page must contain the date on which the original signature was affixed to the first page of the submission and the total number of pages in the submission. **Be sure to identify a facility point of contact should there be questions concerning your submission.**

YOU MUST PROVIDE ALL INFORMATION REQUESTED ON THIS FORM TO FULFILL TIER TWO REPORTING REQUIREMENTS.

WHO MUST SUBMIT THIS FORM

This requirement applies to the owner or operator of any facility that is required, under regulations implementing the Occupational Safety and Health Act of 1970, to prepare or have available a Material Safety Data Sheet (MSDS) for a hazardous chemical present at the facility. MSDS requirements are specified in the Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, found in Title 29 of the Code of Federal Regulations at 1910.1200.

WHAT CHEMICALS ARE INCLUDED

You must report the required information on this Tier Two form for each hazardous chemical present at your facility in quantities equal to or greater than established reporting thresholds, unless the chemicals are excluded under Section 311(e) of Title III. Hazardous chemicals are any substance for which your facility must maintain an MSDS under OSHA's Hazard Communication Standard. Included are: fuels, oils, metals ores, nuisance dusts as well as any chemical that presents a physical or health hazard.

WHAT CHEMICALS ARE EXCLUDED

This form does not have to be submitted if all of the chemicals located at your facility are excluded under Section 311(e) of Title III.

Section 311(e) of Title III excludes the following substances:

(I) Any food, food additive, color additive, drug, or cosmetic regulated by the Food and Drug Administration;

(II) Any substance present as a solid in any manufactured item to the extent exposure to the substance does not occur under normal conditions or use;

(III) Any substance to the extent it is used for personal, family or household purposes, or is present in the same form and concentration as a product packaged for distribution and use by the general public;

(IV) Any substance to the extent it is used in a research laboratory or a hospital or other medical facility under the direct supervision of a technically qualified individual;

(V) Any substance to the extent it is used in routine agricultural operations or is a fertilizer held for sale by a retailer to the ultimate customer.

OSHA regulations, Section 1910.1200(b), stipulate exemptions from the requirement to prepare or have available an MSDS.

REPORTING THRESHOLDS

Minimum thresholds have been established for Tier Two reporting under Title III, Section 312, These thresholds are as follows:

For Extremely Hazardous Substances (EHSs) designated under section 302 of Title III, the reporting threshold is 500 pounds (or 227 kg.) or the threshold planning quantity (TPQ), whichever is lower;

For all other hazardous chemicals for which facilities are required to have or prepare an MSDS, the minimum reporting threshold is 10,000 pounds (or 4,540 kg.).

You need to report hazardous chemicals that were present at your facility at any time during the previous calendar year at levels that equal or exceed these thresholds. For instructions on threshold determination for components of mixtures, see "What About Mixtures?" on page 2 of these instructions.

A requesting official may limit the responses required under Tier Two by specifying particular chemicals or groups of chemicals. Such requests apply to hazardous chemicals regardless of established thresholds.

SCOEPA00051878

INSTRUCTIONS

Please read these instructions carefully. Print neatly or type all responses.

WHEN TO SUBMIT THIS FORM

Owners/operators of facilities that have hazardous chemicals on hand in quantities equal to or greater than set threshold levels must obtain and submit Tier Two forms by March 1 of each year.

WHERE TO SUBMIT THIS FORM

Send completed Tier Two form(s) to each of the following organizations:

1. State Emergency Response Commission.
2. Your Local Emergency Planning Committee.
3. The fire department with jurisdiction over your facility.

By use of a cover letter provide name and telephone number of your facility compliance point of contact. Also indicate to which fire dept./district you submitted this report.

If your Tier Two responses require more than one page use additional forms and fill in the page number at the top of the form. See certification requirements page 1.

PENALTIES

Any owner or operator who violates any Tier Two reporting requirements shall be labile to the United States for a civil penalty of up to $25,000 for each such violation. Each day a violation continues shall constitute a separate violation.

FACILITY IDENTIFICATION:

Enter the full name of your facility (and company identifier where appropriate).

Enter the full street address or state road. If a street address is not available, enter other appropriate identifiers that describe the physical location of your facility (e.g., latitude and longitude). Include city, county, state, and zip code. Provide facility mail address, if different than owner/operator (2b), below SIC code and Dun & Brad number blocks.

Enter the primary Standard Industrial Classification (SIC) code and the Dun & Bradstreet number for your facility. The financial officer of your facility should be able to provide the Dun & Bradstreet number.

OWNER/OPERATOR:

Enter the owner's or operator's full name, mailing address, and phone number. Also enter Point of Contact (POC) for this report if different.

EMERGENCY CONTACT:

Enter the name, title, and work phone number of at least one local person or office who can act as a referral if emergency responders need assistance in responding to a chemical accident at the facility. Provide an emergency phone number where such emergency information will be available 24 hours a day, every day. This requirement is mandatory. The facility must make some arrangement to ensure that a 24 hour contact is available.

REPORTING PERIOD:

Enter the appropriate calendar year, beginning January 1 and ending December 31.

IDENTICAL INFORMATION:

Check the box indicating information, located below the emergency contacts on the Tier Two form, if the current chemical information being reported is identical to that submitted last year.

CHEMICAL INFORMATION: Description, Hazards, Amounts, and Locations

The main section of the Tier Two form requires specific information on amounts and locations of hazardous chemicals, as defined in the OSHA Hazard Communication Standard.

If you choose to indicate that all of the information on a specific hazardous chemical is identical to that submitted last year, check the appropriate optional box provided at the right side of the storage codes and locations on the Tier Two form.

- What units should I use?

  Calculate all amounts as *weight in pounds*. To convert gas or liquid volume to weight in pounds, multiply by an appro priate density factor.

- What about mixtures?

  If a chemical is part of a mixture, *you have the option* of reporting either the weight of the entire mixture or only the portion of the mixture that is a particular hazardous chemical. See 1a on the following page.

  The option used for each mixture must be consistent with the option used in your Section 311 reporting which required submission of chemical lists and/or MSDSs.

  Because EHSs are important to Section 303 planning, EHSs have lower thresholds. The amount of an EHS at a facility (both pure EHS substances and EHSs in mixtures) must be aggregated for purposes of threshold determination. It is suggested that the aggregation calculation be done as a first step in making the threshold determination. Once you determine whether a threshold for an EHS has been reached, you should report either the total weight of the EHS at your facility, or the weight of each mixture containing the EHS.

  See 1a on the following page.

SCOEPA00051879

CHEMICAL DESCRIPTION:

1. Enter the Chemical Abstract Service registry number (CAS). For mixtures, enter the CAS number of the mixture as a whole if it has been assigned a number distinct from its constituents. For a mixture that has no CAS number, leave the item blank or (report the CAS numbers of as many constituent chemicals as possible). Arizona prefers 1a below be done rather than the above option in parentheses.

1a. Submit current material safety data sheets (MSDS) for mixtures containing two or more hazardous chemicals. For single hazardous chemical mixtures enter the CAS and percentage (or percentage range) of the hazardous chemical, e.g. 93% Sulfuric Acid. See first example on page 4 for inventory section reporting range determination. This is an Arizona specific request to facilitate emergency planning/response requirements.

If you are withholding the name of a chemical in accordance with criteria specified in Title III, Section 322, enter the generic class or category that is structurally descriptive of the chemical (e.g., list toluene diisocyanate as organic isocyanate) and check the box marked Trade secret. Trade secret information should be submitted to EPA and must include a substantiation. Please refer to EPA's final regulation on trade secrecy (53 FR 28772, July 29, 1988) for detailed information on how to submit trade secrecy claims.

2. Enter the chemical name or common name of each hazardous chemical.

3. Check box for *All* applicable descriptors: pure, mixture; solid, liquid, and/or gas; and whether the chemical is or contains an EHS. A minimum of two boxes must be checked. **Specify EHS solids in powder form (particle size less than 100 microns).**

4. If the chemical is a mixture containing an EHS, enter the chemical name of each EHS in the mixture.

EXAMPLE

You have pure chlorine gas on hand, as well as two mixtures that contain liquid chlorine. You write "chlorine" and enter the CAS number. Then you check "pure", "mix", "liquid", gas, and "EHS".

PHYSICAL AND HEALTH HAZARDS:

For each chemical you have listed, check all the physical and health hazard boxes that apply. These hazard categories are defined in 40 CFR 370.2. The two health hazard categories and three physical hazard categories are a consolidation of the 23 hazard categories defined in the OSHA Hazard Communication Standard, 29 CFR 1910.1200. A minimum of one box must be checked.

Hazard Category Comparison
For Reporting Under Sections 311 and 312

EPA's Hazard Categories	OSHA's Hazard Categories
Fire Hazard	Flammable Combustible Liquid Pyrophoric Oxidizer
Sudden Release of Pressure	Explosive Compressed Gas
Reactive	Unstable Reactive Organic Peroxide Water Reactive
Immediate (Acute) Health Hazards	Highly Toxic Toxic Irritant Sensitizer Corrosive Other hazardous chemicals with an adverse effect with short term exposure
Delayed (Chronic) Health Hazard	Carcinogens Other hazardous chemicals with an adverse effect with long term exposure

INVENTORY:

MAXIMUM AMOUNT

1. For each hazardous chemical, estimate the greatest amount present at your facility on any single day during the reporting period. **See example on page 4.**

2. Find the appropriate range value code in Table I.

3. Enter the range value as the Maximum Amount.

Table I **REPORTING RANGES**

Range Value	Weight Range in Pounds From. . .	To. . .
01	0	99
02	100	999
03	1,000	9,999
04	10,000	99,999
05	100,000	999,999
06	1,000,000	9,999,999
07	10,000,000	49,999,999
08	50,000,000	99,999,999
09	100,000,000	499,999,999
10	500,000,000	999,999,999
11	1 Billion	higher than 1 billion

Enter the actual weight in pounds in the shaded space below the response blocks. Do this for both Maximum Amount and Average Daily Amount.

SCOEPA00051880

EXAMPLE:

You received one large shipment of a solvent mixture last year. The shipment filled five 5,000 - gallon storage tanks. You know that the solvent contains 10% benzene, which is a hazardous chemical.

You figure that 10% of 25,000 gallons is 2,500 gallons. You also know that the density of benzene is 7.29 pounds per gallon, so you multiply 2,500 gallons by 7.29 pounds per gallon to get a weight of 18,225 pounds.

Then you look at Table I on page 3 and find that the range value 04 corresponds to 18,225. You enter 04 as the Maximum Amount.

You should write 18,255 in the shaded area.

AVERAGE DAILY AMOUNT

1. For each hazardous chemical, estimate the average weight in pounds that was present at your facility during the year.

   To do this, total all daily weights and divide by the number of days the chemical was present on the site.

2. Find the appropriate range value in Table I.

3. Enter this range value as the Average Daily Amount.

EXAMPLE:

The 25,000-gallon shipment of solvent you received last year was gradually used up and completely gone in 315 days. The sum of the daily volume levels in the tank is 4,536,000 gallons. By dividing 4,536,000 gallons by 315 days on-site, you calculate an average daily amount of 14,400 gallons.

You already know that the solvent contains 10% benzene, which is a hazardous chemical. Since 10% of 14,400 is 1,440, you figure that you had an average of 1,440 gallons of benzene. You also know that the density of benzene is 7.29 pounds per gallon, so you multiply 1,440 by 7.29 to get a weight of 10,500 pounds.

Then you look at Table I and find that the range value 04 corresponds to 10,500. You enter 04 as the Average Daily Amount.

You should write 10,500 in the shaded area.

NUMBER OF DAYS ON-SITE

Enter the number of days that the hazardous chemical was found on-site.

EXAMPLE:

The solvent composed of 10% benzene was present for 315 days at your facility. Enter 315 in the space provided.

STORAGE CODES AND STORAGE LOCATIONS:

List all non-confidential chemical locations in this column, along with storage types/conditions associated with each location. Please note that a particular chemical may be located in several places around the facility. Each row of boxes followed by a line represents a unique location for the same chemical.

Storage Codes: Indicate the types and conditions of storage present.

a. *Look at Table II.* For each location, find the appropriate storage type and enter the corresponding code in the first box.

b. *Look at Table III.* Fore each location, find the appropriate storage types for pressure and temperature conditions. Enter the applicable pressure code in the second box. Enter the applicable temperature code in the third box.

Table II - STORAGE TYPES

CODES	Types of Storage
A	Above ground tank
B	Below ground tank
C	Tank inside building
D	Steel drum
E	Plastic or non-metallic drum
F	Can
G	Carboy
H	Silo
I	Fiber drum
J	Bag
K	Box
L	Cylinder
M	Glass bottles or jugs
N	Plastic bottles or jugs
O	Tote bin
P	Tank wagon
Q	Rail car
R	Other

Table III - PRESSURE AND TEMPERATURE CONDITIONS

CODES	Storage Conditions
	(PRESSURE)
1	Ambient pressure
2	Greater than ambient pressure
3	Less than ambient pressure
	(TEMPERATURE)
4	Ambient temperature
5	Greater than ambient temperature
6	Less than ambient temperature but not cryogenic
7	Cryogenic conditions

EXAMPLE:

The benzene in the main building is kept in a tank inside the building, at ambient pressure and less than ambient temperature.

Table II shows you that the code for a tank inside a building is C. Table III shows you that the code for ambient pressure is 1, and the code for less than ambient temperature is 6.

You enter C 1 6

SCOEPA00051881

Storage Locations:

Provide a brief description of the precise location of the chemical, so that emergency responders can locate the area easily. You may find it advantageous to provide the optional site plan or site coordinates as explained below.

For each chemical, indicate at a minimum the building or lot. Additionally, where practical, the room or area may be indicated. You may respond in narrative form with appropriate site coordinates or abbreviations.

If the chemical is present in more than one building, lot, or area location, continue your responses down the page as needed. If the chemical exists everywhere at the plant site simultaneously, you may report that the chemical is ubiquitous at the site.

OPTIONAL ATTACHMENTS: If you choose to attach one of the following, check the appropriate Attachments box at the bottom of the Tier Two from.

a. *A site plan* with site coordinates indicated for buildings, lots, areas, etc. throughout your facility.

b. A *list of site coordinate* abbreviations that correspond to buildings, lots, areas, etc. throughout your facility.

c. A *description of dikes and other safeguard measures* for storage locations throughout your facility.

EXAMPLE:

You have benzene in the main room of the main building, and in tank 2 in tank field 10. You attach a site plan with coordinates as follows: main building = G-2, tank field 10 = B-6. Fill in the Storage Location as follows:

B-6 (Tank 2) G-2 (Main Room)

CONFIDENTIAL INFORMATION

Under Title III, Section 324, you may elect to withhold location information on a specific chemical from disclosure to the public. If you choose to do so:

- Enter the word "confidential" in the Non-Confidential Location section of the Tier Two form on the first line of the storage locations.
- On a separate Tier Two Confidential Location Information Sheet, enter the name and CAS number of each chemical for which you are keeping the location confidential.
- Enter the appropriate location and storage information, as described above for non-confidential locations.
- Attach the Tier Two Confidential Location information Sheet to the Tier Two form. This separates confidential locations from other information that will be disclosed to the public.

CERTIFICATION

Instructions for this section are included on page one of these instructions.

FORM R/313 REPORTING REQUIREMENTS: Reporting "trigger" is based on annual chemical consumption not releases. (Report due July 1 of each year)

RESUBMITTAL PROCEDURES

Recertify corrected reports using red ink. Using the "Resubmittal/Information Package Response Letter," send corrected copies to the:

(1) State Emergency Response Commission

(2) Applicable Local Emergency Planning Committee

(3) Fire department/district with facility jurisdiction.

An original signature is required as described on page 1 of these instructions under CERTIFICATION.

SCOEPA00051882

VWR auto fills these (Thier Do)

Facilities Department
BULK TANK GEOMETRY PARAMETERS
August 8, 1995
Reference: Bulk Chemical Telemetry Project

H_2SO_4 (sulfuric acid) 5,000 gal (5750 on tank) 8'ø x 19 WWTP

TANK OR APPLICATION	THEORETICAL USEABLE VOLUME	ACTUAL USEABLE QUANTITY	NOMINAL DIA. & LONGITUDINAL LENGTH	
H2SO4 see note 1 sulfuric acid	2,500 gal		6'ø x 12'	horiz. tank WWTP
NaOH 25% caustic	7,200 gal		8'ø x 19'	WWTP
nitric 70% electronic grade	2900 gal ea (2) tanks	33,000 lbs ea		sg = 1.4134 Bulk Acid
HF 50% see note 2 electronic grade	3000 gal ea nom, (2) tanks	22,686 lbs ea (see 4419000 table)		sg = 1.170 Bulk Acid
NaOH 25% caustic	~~5000~~ gal 4704			NOx
Na2S sodium sulfide	~~5000~~ gal			NOx
H2SO4 % sulfuric acid	~~5000~~ gal			NOx
NaClO2 % sodium chlorite	~~5000~~ gal			NOx

NOTES
1. Tank is horizontal (linearization of non-linear transmitter output required).
2. At zero level indication on existing gauge, the non-useable volume of acid present is 288 gallons per tank, or 2750 pounds per tank.

Lime cooky powder 20 tons hopper above

Nitric (Fab 2)
HF (Fab 2)

12% by wt 4,000 gal

PROGRAM CONV. FACTORS PAUL STEELE T6 - T9

(Lime mix tank)

LBS OR GAL'S INVOLVE DOUG.

NaOH SENSOR INSTALLED?

Fab 1 day tank (obsolete)

TCS (Fab 2 - Future)

Fab 2 day tank 8,000 gal 12'ø x 14'

wp\telem08.aug

SCOEPA00051883

Craig

Ultra pure water (UPW)

NaOH 5,000 gal
HCl 5,000 gal

Sodium metabisulfite
$Na(SO_3)_2$ ~ ~~100~~ ~~150~~ STET gal blend w/dry bags
3L/100g
Coagulant ~~100~~ ~~150~~ STET gal blend
(Filtermate AF? 150)
15 gal coag/100 gal H_2O
Anti-scalant ~~100~~ ~~150~~ STET gal blend
(Argo product)
5 gal/100 gal H_2O
Day Tanks
HCl 500 gal

NaOH 500 gal

40 gal
Sodium hypochlorite in boiler room 100 gal
1 gal 12.5% / 20 gal H_2O
sodium metabisulfite 100 gal
H_2SO_4 100 gal
} Fab 1 RoD 1
} in Fab 1

VWR WWTP
Antifoam 200 gal mix tank
(totes 200 gal)
Coagulant - Aluminum Chlorohydrate VWR → Betz?
(totes 180 gal)
replaces Alum
(totes)

Betz Dearborn
Polymer
polyflow
AE 1115
10 totes/year
270 gal/tote

SCOEPA00051884

(360) 695-1255

BOC GASES

John R. Cunningham
3604 NE 154th Avenue
Vancouver, WA 98682

Telephone ~~360 253 7725~~
Facsimile 360 253 8099

February 28, 1997

Tom McCue
Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210

Dear Tom,

Here is the information about 1996 usage you requested.

Product, Grade	Size	Vol	U/M	1996	Total Vol	U/M
Silane, Semi	208	10000	gm 120cf	28	280000	gm
Phosphine/H2, VLSI	152	120	cf	152	18240	cf
Diborane/H2, VLSI	152	121	cf	83	10043	cf
Arsine/H2, VLSI	152	120	cf	1	120	cf

3360 cf

If you have any questions on the information provided or on any other issues, please feel free to call me at (360) 253-7725.

Sincerely,

John R. Cunningham
Sales Representative

Technical Hotline
1-800-892-7706

Steve Dinoia - Sales ~~Rep~~ Eng. Account Mgr.
(503) 521-9006
cell (503) 449-4204

Size
152
Phosphine/H2
10-lb 85%
15% 1.58 lb
6.36 lb

Nick Frederick Fab V TCS x7144

Post-it® Fax Note 7671 | Date 2/28 | # of pages ▶ 1
To T McCue | From J. Cunningham
Co./Dept. Wacker | Co. BOC Gases
Phone # 503 243-2020 | Phone # 360 253-7725
Fax # 503 241 7599 | Fax # 360 253-8099

ALBINA FUEL

PHONE: (503) 281-1161
FUEL: (800) 888-5048
CARDLOCK: (800) 441-8622
FAX: (503) 280-9612

3246 N.E. BROADWAY • PORTLAND, OREGON 97232

Generator fuel tanks
500 gal
1000 gal
1000 gal

Avg Amt ≅ 1250
Max Amt = 2500

FAX TRANSMITTAL

To: ERIC

Company: WACKER Siltronics

FAX No.: 241-7599

Date: 2-13-97

No. pages including cover: 1

From: GARY AYERS

Comments:

Invoice #	DATE	PRODUCT	Gal's
10417	4/8/96	L/S	116.4
10419	4/10/96	L/S	398.3
10851	5/7/96	L/S	90.9
10882	5/7/96	L/S	292.8
12667	8/6/96	L/S	148
11774	6/21/96	L/S	208
11749	6/19/96	L/S	34.1
11110	5/17/96	L/S	107.6
			1396.1

Invoice #	DATE	PRODUCT	GAL's
10956	5/10/96	KERO	69.6
11332	5/30/96	KERO	357.1
11506	6/7/96	KERO	77.4
11631	6/13/96	KERO	73.7
12330	7/19/96	KERO	47.8
12644	8/5/96	KERO	53.5
12867	8/15/96	KERO	646
12990	8/20/96	KERO	1546.7
13049	8/6/96	KERO	553
13050	8/23/96	KERO	977
13051	8/23/96	KERO	100
13052	8/23/96	KERO	2627
13594	9/16/96	KERO	1034
13733	9/20/96	KERO	1538.7
14028	10/8/96	KERO	108.8
15604	12/10/96	KERO	344.3
			10,154.6

Thank You

1996 AIR REPORT FILE

Dependable Fuel Service Since 1903

FORM • C-3227

SCOEPA00051886

3950 N.W. Yeon Avenue, Portland, OR 97210

Van Waters & Rogers Inc.
subsidiary of **Univar**

Date: 2-27-97
Number of pages including cover sheet: 9

To:
ERIC SPIERING
WACKER SILTRONIC
Phone:
Fax phone: 241-7599
CC:

From:
Joe Crum
Phone: (503)222-1721
Fax phone: (503)222-2714

REMARKS: ☐ Urgent ☒ For your review ☐ Reply ASAP ☐ Please comment

Eric.

Here is a copy of the report I talked to you about. Call me if you have any questions about reading the report. This should help greatly in filling out your report.

Joe.

FEB 27 '97 10:17 FR VAN WATERS & ROGERS 503 222 2714 TO 2417599 P.02/09

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
SHIP TO : WACKER SILTRONIC CORP. 7200 NW FRONT ST PORTLAND OR 97203 CUST NO : 107924 001														
ABRASIVE SIC P-1000 CUSTOMER OWNED #5407406 645820 286 LB DR **** CRYST POLY DR														
QTY				12	48	48	39	51		78	91		367	
PY QTY														
ACETIC ACID 35% PARTICU-LO 642884 450 LB DR MICROPRO LIQ POLY DR														
QTY	3	3	10	8	13	18	13	16		23	25		132	
PY QTY											4	1		3
ACETONE VWR LBL SEMICONDUCTOR 193920 358 LB DR MICROPRO LIQ NUSTEEL														
QTY		1	1	1	1			1		1			6	9
PY QTY	1	1	2		1		2			1	1	1		11
WWTP ALUMINUM SULFATE 48% 200191 575 LB DR **** SOLN POLY DR														
QTY	8	6	8										22 x 55 gal	78
PY QTY	4	8	7	5	8	10	6	14		9	7	9	2	89
WWTP ALUMINUM SULFATE 48% APPROX 3200 LB IBC 200160 1 LB LB **** SOLN POLY TNK														
QTY	3200			5750	11500	14375	17250	20125		11500	11500		95,200	
PY QTY														
AMMONIUM HYDROXIDE CLASS 10 606211 375 LB DR MICROPRO **** MFGPOLY														
QTY	17	16	16	16	22	19	17	16		11	12		162	
PY QTY	14	11	11	13	15	15	22	16		16	17	15	14	179
BIOCLEAN 103A 646787 45 LB PL **** LIQ STL PAIL														
QTY							6						6	
PY QTY														
BIOCLEAN 103A 648034 45 LB PL **** LIQ POLY PL														
QTY								11		6	6		23	
PY QTY														
BIOCLEAN 107A 633655 45 LB PL **** LIQ POLY PL														
QTY							6	11		7			24	
PY QTY														
BIOCLEAN 442 648176 45 LB PL **** POWDR POLY PL														
QTY										6			6	
PY QTY														
BIOCLEAN 511 DET/CHELANT 633656 45 LB PL **** LIQ STL PAIL														
QTY							6	18		6	3		36	
PY QTY														
BLEND SODIUM SULFIDE 10% 630701 1 LB LB **** LIQ BULK														
QTY	18240	18280	22860		17800		27620				27480		132,280	20,840
PY QTY				20840										20,840
BUBBLE FOIL 5407992 FOR WACKER 640731 1 PA PA **** **** PALLET														
QTY	9				2		2	6		5			24	

UN 1849 HC 8
001313-82-2
ASSUME sg 1.1 = 14419 gal

SCOEPA00051888

REPORT 0S002F
DEPARTMENT 09 VIMS
REGION W WESTERN
AREA 8NW NORTHWEST VIMS
DISTRICT 8NW2 NORTHWEST 2 VIMS
SLSREP TAD TOM DOERR

VAN WATERS & ROGERS INC.
CUSTOMER SALES
(QUANTITY IN STOCKING UNITS)

RUN DATE 12/31/1996
AS OF DATE 12/31/1996

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
PY QTY											5			5
CALCIUM CHLORIDE 77-80% BRINERS GR 607619 50 LB BG **** FLK BAG														
QTY	56							26					82	75
PY QTY			25				50							75
WWTP ~~CALCIUM HYDROXIDE LIME~~ KEMILIME VERTICAL 500815 50 LB BG **** **** BAG														
QTY														3,280
PY QTY	860	860	1120	595				155-						3,280
WWTP CAUSTIC SODA PELS 239870 50 LB BG TECH BEADS BAG														
QTY			60						60				120	170
PY QTY		50				60			60			60		230
WWTP CAUSTIC SODA 20% 613892 1 LB LB **** LIQ BULK														
QTY			30540										30,540	spgr 1.22 = 3001 gal
PY QTY														
NOX/ WWTP CAUSTIC SODA 25% 600364 1 LB LB TECH LIQ BULK														
QTY	52780	217700	143980	64040	111980	152600	58600	21160	70040	43300			936,180	spgr 1.27 = 88387 gal 626,480
PY QTY	58440	74000	42160	80000	31960	63980	90480	45280	87160	53020	84360	95960		806,600
WWTP CAUSTIC SODA 50% MEMBRANE GRADE 602235 1 LB LB MEMBRANE LIQ BULK														
QTY					32000				31680				63,680	spgr 1.53 = 4991 gal
PY QTY														
														96379 gal total
CAUSTIC SODA 50% RAYON GRADE 239370 680 LB DR RAYON GR LIQ POLY DR														
QTY														1-
PY QTY										1-				1-
CAUSTIC SODA 50% RAYON GRADE - FOR WACKER 239280 52 GL DR RAYON GR LIQ POLY DR														
QTY	15	14	21	22	21	26	34	33	22	21			229	212
PY QTY	11	15	23	13	15	25	21	18	23	48	17	29		258
CITRIC ACID ANHYD 0701205 501035 50 LB BG USP FCC FNGR BAG														
QTY		40	40		40	40			40				200	280
PY QTY	40		40		40		40	40	40	40		40		320
COMMON CARRIER FREIGHT DELIVERED 268160 1 EA EA **** **** ****														
QTY										1			1	1-
PY QTY										1-				1-
CRUCIBLES 5407196 FOR WACKER 640728 1 PA PA **** **** PALLET														
QTY	10	5								3			18	11
PY QTY								6		5	11	9		31
CRUCIBLES 5407197 FOR WACKER 640759 1 PA PA **** **** PALLET														
QTY	9	8	22	18	6	10	8	14	9	10			114	21
PY QTY								5	10	6	8	8		37
CRUCIBLES 5407198 FOR WACKER 640758 1 PA PA **** **** PALLET														
QTY			1										1	2
PY QTY									1	1		2		4

REPORT D6002F
DEPARTMENT 09 VIMS
REGION W WESTERN
AREA 8NW NORTHWEST VIMS
DISTRICT 8NW2 NORTHWEST 2 VIMS
SLSREP TAD TOM DOERR

VAN WATERS & ROGERS INC.
CUSTOMER SALES
(QUANTITY IN STOCKING UNITS)

RUN DATE 12/31/1996
AS OF DATE 12/31/1996

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
CRUCIBLES 5407201			FOR WACKER				640756	1	PA PA	****	****	PALLET		
QTY	5	2											7	5
PY QTY								3	2		2			7
CRUCIBLES 5407202			FOR WACKER				640757	1	PA PA	****	****	PALLET		
QTY	6	4	8	5	2	2	2	2	1				32	11
PY QTY								2	4	5	3	4		18
CRYSTAL PACK 200 MM			FOR WACKER				644222	1	PA PA	****	****	PALLET		
QTY	1		10			3		45					59	
PY QTY														
CUTTING OIL 5407426			CASTROL PROD 188/96-2				645814	436	DR DR	****	LIQ	STL DRUM		
QTY				10				4					14	
PY QTY														
DIPROPYLENE GLYCOL							252951	470	LB DR	****	****	STL DRUM		
QTY	9	10	1										20	18
PY QTY						1	1	2	4	10	7	6		31
DIPROPYLENE GLYCOL FRG							644785	470	LB DR	****	LIQ	STL DRUM		
QTY			16	24	29	36	36	50	80	69			340	
PY QTY														
DIRECT FREIGHT (GM)							120630	1	EA EA	****	****	****		
QTY				1	1			1					3	1
PY QTY								1						1
DIRECT VENDOR FREIGHT GM							189790	1	EA EA	****	****	****		
QTY								1					1	
PY QTY														
DOWFROST							255421	55	GL DR	****	****	STL DRUM		
QTY														2
PY QTY						2						2		4
DRUM 1A2/Y1.6/200 RESALE			RECON 55G UNLINED W/BUNGS				646109	1	EA EA	****	****	OH ST DR		
QTY				2	55	42	40	37	63	94			333	
PY QTY														
ETHYLENE GLYCOL							263391	515	LB DR	****	****	NUSTEEL		
QTY	1	1	3	3	2	2	2	2	2	2			20	15
PY QTY		1	2	2	3	1	2	2	1	1	2	2		19
FLOOR DRY FDS 85 33 LB							266753	1	BG BG	****	****	BAG		
QTY		6						4					10	
PY QTY														
FLUORAD FC-93			FLUOROCHEMICAL SURFACTANT				637584	9	LB PL	****	LIQ	STL PAIL		
QTY							1						1	
PY QTY														
HYDROCHLORIC ACID 23 BE			ULTRAMAX 5				647141	1	LB LB	SEMI	LIQ	BULK		

SCOEPA00051890

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
QTY							26940						26,940	
PY QTY														
HYDROFLUORIC ACID			MICRO GRADE CLASS 10				634304	1	LB	LB	MICROPRO	LIQ	BULK	
QTY	40880		31320	29560		29800	30360		40/20	41100			243,940	122,060
PY QTY			40040			40840			41180		40800	38080		200,940
HYDROFLUORIC ACID AR/ACS			CLASS 10 4X10# POLY BTLS				606090	40	LB	CS	MICROPRO	LIQ	CASE	
QTY														5
PY QTY		1	4											5
HYDROFLUORIC ACID 49%			NATURAL DRUMS				281100	500	LB	DR	MICROPRO	LIQ	MFGPOLY	
QTY	12	12	11	11	8	7	3	5		3	4			76
PY QTY	6	6	7	6	8	7	10	11		7	8	11	10	97
HYDROGEN PEROXIDE 30%			VWR LBL				620437	500	LB	DR	MICROPRO	****	MFGPOLY	
QTY	42	41	71	61	97	61	48	45		33	46			545
PY QTY	40	33	42	29	32	36	35	23		26	34	37	40	330
														407
HYDROGEN PEROXIDE 30%			4X1 GAL POLY BTL/CS VW&R				615506	37	LB	CS	MICROPRO	****	CASE	
QTY		51-											51-	288
PY QTY					144		36	36		36	36			288
ISOPROPYL ALCOHOL			99%				604102	362	LB	DR	MICROPRO	LIQ	POLY DR	
QTY	7	10	8	10	5	3							43	80
PY QTY	6	5	11	4	8	5	8	11		10	12	7	10	97
ISOPROPYL ALCOHOL 99%			MICROPROCESS LINED DRUM				645916	362	LB	DR	MICROPRO	LIQ	NUSTEEL	
QTY						6	5	5		8	7		31	
PY QTY														
LUDOX COLLOIDAL SILICA			TM-50-W				292160	625	LB	DR	****	LIQ	MFGPOLY	
QTY	42	35	47	35	46	40	25	29		32	38		369	375
PY QTY	31	21	43	35	33	45	37	35		43	52	40	44	459
LUTENSOL AP 5407937			CUSTOMER OWNED 210KG DRUM				634282	53	GL	DR	****	LIQ	P-L STL	
QTY	7	6			7	10	5	5		7	7		54	55
PY QTY	4	4	6	5	5	6	5	6		7	7	6	7	68
NITRIC ACID CLASS 10							620615	1	LB	LB	MICROPRO	LIQ	BULK	
QTY	133660	87920	128680	133940	179060	84080	177180	85420		90220	178680		1,278,840	721,440
PY QTY	79280	39520	80340	80740	40580	109760	44660	90360		84440	71060	174340	134660	1,030,440
NITRIC ACID CLASS 10							622846	575	LB	DR	MICROPRO	LIQ	S S DR	
QTY	1	1	1	2	4	2	2	1		4	1		19	19
PY QTY	2	3	2	1	3	2	1	2		1	2		1	20
OIL SORBENT 156 SHEETS			3/8"X17"X19"				313570	1	BD	BD	****	****	BUNDLE	
QTY														6
PY QTY					6									6
POLYSILICON RGD 5406857			FOR WACKER				640753	1	PA	PA	****	****	PALLET	
QTY	16	8	17	20	11	16	19	16		9	14		146	26

FEB 27 '97 10:17 FR VAN WATERS & ROGERS 503 222 1714 TO 2417599 P.05/09

FEB 27 '97 10:18 FR VAN WATERS & ROGERS 503 222 2714 TO 2417599 P.06/09

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
PY QTY								3	11	12	17	11		54
POLYSILICON ROD 5406858			FOR WACKER				640754	1	PA	PA	****	****	PALLET	
QTY	10	10	13	9						1			43	19
PY QTY								3	10	6	3	4		26
POLYSILICON ROD 5406859			FOR WACKER				640755	1	PA	PA	****	****	PALLET	
QTY	10	11	8	17	12	16	5	1		8			88	37
PY QTY								4	14	19	20	11		68
POLYSILICON 5406860			FOR WACKER				640743	1	PA	PA	****	****	PALLET	
QTY	1	2	5		1		2	1		1			14	4
PY QTY										1	1	2		7
POLYSILICON 5406861			FOR WACKER				646896	1	PA	PA	****	****	PALLET	
QTY							1			1			2	
PY QTY														
POLYSILICON 5406862			FOR WACKER				640727	1	PA	PA	****	****	PALLET	
QTY	5	6	8	6	5		5	5		6	6		52	14
PY QTY								1		6	7	3	5	22
POLYSILICON 5406863			FOR WACKER				640744	1	PA	PA	****	****	PALLET	
QTY	11	10	14	2				6					43	27
PY QTY								7		10	10	12	16	55
POLYSILICON 5406864			FOR WACKER				640745	1	PA	PA	****	****	PALLET	
QTY	62	67	73	46	10	34	20	18		44	43		417	141
PY QTY								24		55	62	44	56	241
POLYSILICON 5406866			FOR WACKER				640749	1	PA	PA	****	****	PALLET	
QTY	11	14	16	13	7	1	5	11		13	12		103	31
PY QTY								7		11	13	11	13	55
POLYSILICON 5407722			FOR WACKER				640752	1	PA	PA	****	****	PALLET	
QTY	19	18	20	10	25	20	27	27					166	54
PY QTY								11		19	24	27	13	94
POTASSIUM CARBONATE			3197-28				631310	112	KG	DR	REAGENT	GRAN	FIBER DR	
QTY														539
PY QTY	48	52	59	48	56	52	68	52		64	40			539
POTASSIUM CARBONATE DENSE			14 X 8 KG				647402	112	KG	DR	****	GRAN	FIBER DR	
QTY							23	48		57	30		158	
PY QTY														
POTASSIUM CARBONATE DENSE			20X5.6 KG				644334	112	KG	DR	****	GLASS	FIBER DR	
QTY		9		18			2						29	
PY QTY														
POTASSIUM CARBONATE LD CU			8004-08	100.8KG DRUM			643621	1	DR	DR	REAGENT	GRAN	FIBER DR	
QTY	44	40	49	36	29	36	17						271	
PY QTY												164		164

FEB 27 '97 10:18 FR VAN WATERS & ROGERS 503 222 2714 TO 2417599 P.07/09

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
POTASSIUM HYDROXIDE 5 X 10 KG BAGS 644464 50 KG DR AR ACS PELL FIBER DR														
QTY		24	258	210	294	279	234	267	243	251			2,060	
PY QTY														
POTASSIUM HYDROXIDE 6598-26 327210 110 LB DR AR ACS PELL FIBER DR														
QTY	207	189											396	2,031
PY QTY	186	135	278	189	207	189	243	180	216	208	192	198		2,421
PROPYLENE GLYCOL 330190 480 LB DR TECH **** STL DRUM														
QTY														
PY QTY						1		1						2
														2
Q 9 LAB CLEANER 5407939 CUSTOMER OWNED 634283 53 GL DR **** LIQ POLY DR														
QTY	32	12	16	13	23	23	16	17	22	22			196	131
PY QTY	10	7	17	13	11	16	12	12	16	17	11	17		159
RODEL LS10 COLLOIDAL SILICA SLURRY 636560 450 LB DR TECH LIQ MFGPOLY														
QTY	24	21	25	28	20	32	20	24	20	16			230	274
PY QTY	24	16	32	28	28	28	34	28	24	32	20	20		314
WWTP SAG 795 LV ANTIFOAM 647693 2,250 LB TK FCC LIQ POLY TNK														
QTY										2			2	
PY QTY														
WWTP SAG 795 LV ANTI ANTIFOAM 646972 450 LB DR FCC LIQ POLY DR														
QTY						1			2	2			5	
PY QTY														
FAB2 SILICONE ANTIFOAM SAG 710 339810 470 LB DR FCC **** MFGPOLY														
QTY	8	9	8	6	3	2	4	5	5	1			51	39
PY QTY	8	4	9	6	5	7	3	5	6	6	4	6		69
NOX SODIUM CHLORITE 25% 346231 1 LB LB **** SOLN BULK														
QTY	10980				10460								21,440	
PY QTY														
RODH SODIUM HYPOCHLORITE 12.5% BLEACH 4X1 GL/CASE 607105 1 CS CS TECH LIQ CASE														
QTY														
PY QTY	8	3	7	2	6	1								27
														27
RODE SODIUM HYPOCHLORITE 12.5% BLEACH 4X1 GL/CASE 639943 1 CS CS TECH LIQ CASE														
QTY		17	20		10		10		10	16				
PY QTY														
RODE SODIUM HYPOCHLORITE 12.5% BLEACH 6X1 GL/CASE 639944 1 CS CS TECH LIQ CASE														
QTY	8	1												
PY QTY						2	4	9	9	5		10		27
														39
CHROME SODIUM METABISULFITE FORMERLY SOD BISULF ANHYD 345110 50 LB BG FCC CRYST BAG														
QTY														
PY QTY			8						10					18
														18
CHROME SODIUM METABISULFITE NF FORMERLY SOD BISULF ANHYD 502779 50 LB BG FCC **** BAG														

SPGR 1.25 = 2057 gal

83 x 4 = 332 gal

9 x 6 = 54 gal

FEB 27 '97 10:18 FR VAN WATERS & ROGERS 503 222 2714 TO 2417599 P.08/09

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
QTY				12				10					22	16
PY QTY	6						10				12			28
STEPANOL AM							358800	450	LB	DR ****	****	FIBER DR		
QTY	2			2	2			2		2			10	4
PY QTY	2			1				1			1			5
SULFURIC ACID MP							361870	750	LB	DR MICROPRD	LIQ	POLY DR		
QTY														2
PY QTY	1							1						2
nox/ wwtp SULFURIC ACID 66 BE							361070	1	LB	LB TECH	LIQ	BULK		
QTY								37720		30640			68,360	
PY QTY														
SULFURIC ACID 66 BE							361330	750	LB	DR TECH	LIQ	POLY DR		
QTY							2	1					3	3
PY QTY		1								2		2		5
nox/ wwtp SULFURIC ACID 66 BE							600231	1	LB	LB TECH	LIQ	BULK		
QTY	29600	37860	29640	15460	45120	45200							202,880	190,360
PY QTY	14280	44740		22600	22780	22180	25680		15480	22720	31320	31720		253,400
TANK FARM REPACK CHARGE							631311	1	EA	EA ****	****	****		
QTY			22490	1323									23,813	
PY QTY														
TANK FARM SERVICE CHARGE							645981	1	EA	EA ****	****	****		
QTY								14					14	
PY QTY														
TRIETHYLENE GLYCOL							370951	520	LB	DR ****	****	STL DRUM		
QTY														3
PY QTY						1		1		2 1-				3
VACUUM BAGS 5407973			FOR WACKER				640729	1	PA	PA ****	****	PALLET		
QTY	1	1	2	1	2	1		1		1 1			11	2
PY QTY										2	1	1		4
VACUUM BAGS 5407975			FOR WACKER				640761	1	PA	PA ****	****	PALLET		
QTY	1	2	1	1	2	1	1	1		1 1			12	1
PY QTY										1	1	1		3
VACUUM BAGS 5407976			FOR WACKER				640762	1	PA	PA ****	****	PALLET		
QTY	1	2	1	2	1			1		1 1			10	2
PY QTY										2	1	1		4
VACUUM BAGS 5407977			FOR WACKER				645768	1	PA	PA ****	****	PALLET		
QTY					1	1				1			3	
PY QTY														
VACUUM BAGS 5407978			FOR WACKER				640763	1	PA	PA ****	****	PALLET		
QTY	1		1	1	1	2		1		2 1			10	

Total Bulk Purchases 1.83 spgr
271240lb = 17772g

REPORT UG002F
DEPARTMENT 09 VIMS
REGION W WESTERN
AREA 8NW NORTHWEST VIMS
DISTRICT 8NW2 NORTHWEST 2 VIMS
SLSREP TAD TOM DOERR

VAN WATERS & ROGERS INC.
CUSTOMER SALES
(QUANTITY IN STOCKING UNITS)

	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB	YTD TOTAL	PYTD TOTAL
PY QTY												1		1
VACUUM BAGS 5407979 FOR WACKER 640764 1 PA PA **** **** PALLET														
QTY														1
PY QTY										1				1
VANWET 9N9 NONIONIC SURFACTANT 378790 480 LB DR **** **** NR POLY														
QTY	1	3	3	3	4	4	4	3	2	4			31	28
PY QTY	6				4	2	3	2	3	6	1	2		31
VANZOL V-1 200 PROOF 379580 55 GL DR ELECTRN **** NUSTEEL														
QTY	1	1	2	3	1	2	2	2	2				16	15
PY QTY		2	1	2	2	1	2	2	2	1	2	1		18

*** CUSTOMER TOTALS *** FYTD SALES $ = 3,231,090 PFYTD SALES $ = 2,419,935

Due Date: March 1, 1997

FORM
COMPANY

1996-1997

Facility ID Number 005268

OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

PLEASE TYPE OR PRINT CHANGES OR ADDITIONS IN THE [BRACKETED] AREAS TO THE RIGHT OR BELOW THE PREPRINTED DATA.

SECTION A **HAZARDOUS SUBSTANCE PRESENCE** Check the correct box to the left.

☒ YES ☐ NO Are there hazardous substances present at this site in reportable quantities? **If yes,** complete sections B, C, and D. **If no,** complete sections B and C.

☒ YES ☐ NO Are there Extremely Hazardous Substances (EHS) at this site that meet the threshold planning quantities?

SECTION B **DEMOGRAPHIC DATA** Complete, correct or add information in the [bracketed] areas.

1. SIC CODE 1: 3674 DEFINITION: SEMICONDUCTORS/RELATED DEVICES-

2. SIC CODE 2: DEFINITION:

3. BUSINESS ACTIVITY: MANUFACTURE OF SILICON WAFERS

4. DUN & BRADSTREET #: 09-625-3737

5. MANAGER'S NAME: THOMAS C MCCUE

6. SEND TO ATTENTION OF:

7. BUSINESS NAME: WACKER SILTRONIC CORP

8. DEPT OR DIV:

9. SITE ADDRESS:
7200 NW FRONT AVE
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97210

10. MAILING ADDRESS:
PO BOX 83180
CITY: PORTLAND
COUNTY: MULTNOMAH
STATE: OR ZIP CODE: 97283-0180

11. BUSINESS PHONE: 503-243-2020

12. NUMBER OF EMPLOYEES AT THIS SITE: 1300

13. EMERGENCY ASSISTANCE CONTACT PERSON FOR THIS SITE: TOM MCCUE

14. EMERGENCY CONTACT PHONES: DAY 503-243-2020 NIGHT 503-243-2020

15. RESPONSIBLE FIRE DEPARTMENT: PORTLAND FIRE BUREAU

SPECIAL FIRE DEPARTMENT INFORMATION This section is for information the fire service needs to know in case of an emergency.

16. ☒ YES ☐ NO WRITTEN EMERGENCY PLAN. IF YES, LOCATION: SECURITY STATION
17. ☒ YES ☐ NO AUTOMATIC FIRE SUPPRESSION SYSTEM PRESENT; e.g., sprinklered, halon system, etc.
18. ☐ YES ☒ NO ARE STORAGE BUILDINGS/TANKS/AREAS PLACARDED ACCORDING TO NFPA 704?
19. ☐ YES ☒ NO ARE OTHER TYPES OF PLACARDS USED?

SECTION C **PERSON COMPLETING FORM** This person will be contacted to answer any questions needing clarification.

1. PRINT NAME: ERIC SPIERING
2. SIGNATURE (REQUIRED):
3. DATE SURVEY COMPLETED: FEB 28, 1997

WACKER SILTRONIC CORP
PO BOX 83180
PORTLAND OR 97283-0180

RETAIN A COPY OF THIS SURVEY FOR 3 YEARS
PLEASE TYPE OR PRINT ALL ANSWERS. THANK-YOU

OSFMP

SCOEPA00051896

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ACETIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ACETIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	02	03	04	365	N 1 4	8.0 6.3	0000064-19-7

STORAGE LOCATIONS AT SITE: G101/E161/C105/ACID WHSE

UN/NA NO. (IF KNOWN): 2789

COMMON NAME/TRADE NAME: ACETONE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ACETONE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	04	11	365	D 1 4	3.2 6.3	0000067-64-1

STORAGE LOCATIONS AT SITE: A115/A117/A125/A133/B101/B12 7/C120/D121/E163

UN/NA NO. (IF KNOWN): 1090

COMMON NAME/TRADE NAME: ACETYLENE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ACETYLENE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	04	10	10	365	L 2 4	2.1 6.3	0000074-86-2

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE B101, E165, H120, H123

UN/NA NO. (IF KNOWN): 1001

COMMON NAME/TRADE NAME: ACTIVATED CARBON
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CARBON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
1		1	1	31	41	50	365	J 1 4 A 1 4	4.1 4.2	0007440-44-0

STORAGE LOCATIONS AT SITE: FACILITIES BUILDING, RODI

UN/NA NO. (IF KNOWN): 1362

SCOEPA00051897

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: AIR ZERO GAS 2.0
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1		3	3	11	11	11	365	L 2 4	2.2	

STORAGE LOCATIONS AT SITE: NOX BLDG/D125/E163/CYLINDER
WHSE/F108

UN/NA NO. (IF KNOWN): 1002

COMMON NAME/TRADE NAME: ALKATROL 2025
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CYCLOHEXAMINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2		2	2	04	04	04	365	0 1 4	3.3 6.3	0000108-91-8

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

UN/NA NO. (IF KNOWN): 1993

COMMON NAME/TRADE NAME: ALKATROL 2027
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CYCLOHEXYLAMINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2		2	2	04	04	04	365	0 1 4	8.0	0000108-91-8

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: ALUMINUM ETCH
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PHOSPHORIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO.(IF KNOWN)
2		2	2	02	03	04	365	N 1 4	8.0 6.3	0000000-00-0

STORAGE LOCATIONS AT SITE: G101/A122/A125/ACID WHSE

UN/NA NO. (IF KNOWN): 1760

OSFMB131

SCOEPA00051898

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ALUMINUM OXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALUMINUM OXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
1		1	1	30	30	40	365	E 1 4 K 1 4	9.0	0001344-28-1

STORAGE LOCATIONS AT SITE: WAREHOUSE, C111/C105/G101/C112/C121

UN/NA NO. (IF KNOWN): 0000

COMMON NAME/TRADE NAME: ALUMINUM SULFATE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALUMINUM SULFATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2		2	2	10	11	21	365	E 1 4	6.3	0010043-01-3

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

UN/NA NO. (IF KNOWN): 1760

COMMON NAME/TRADE NAME: AMMONIUM HYDROXIDE 30%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: AMMONIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO. (IF KNOWN)
2		2	2	20	20	30	365	E 1 4	8.0	0001336-21-6

STORAGE LOCATIONS AT SITE: S YD CHEM STRGE,RODI F101,3110,E163,E102,F105,F123,F126,A130,C132,E108,G101,K115,K203,K206

UN/NA NO. (IF KNOWN): 2672

COMMON NAME/TRADE NAME: ANTIMONY
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ANTIMONY

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE USE TABLE I	UNIT OF MEASURE USE TABLE II	AVG. AMT. CODE USE TABLE III	MAX. AMT. CODE USE TABLE III	AMT. PER YEAR CODE USE TABLE III	NUMBER OF DAYS ON SITE 3 DIGIT NO.	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES USE TABLE VI	CAS NO.(IF KNOWN)
1		1	1	11	11	20	365	N 1 4	6.1 4.4	0007440-36-0

STORAGE LOCATIONS AT SITE: A 104 G101/A112

UN/NA NO. (IF KNOWN): 2871

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SCOEPA00051899

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: AQUAFLOX 477
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	04	04	365	0 1 4	5.1	0064742-47-8

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: ARGON CRYOGENIC LIQUID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	2	21	30	31	365	L 2 7 A 2 7	2.2	0007440-37-1

STORAGE LOCATIONS AT SITE: S YARD STORAGE BLDG,H123,H120,A001,F126,D124,H117,B127, FACILITIES MAINT W ASH RACK, BULK CRYO TANK

UN/NA NO. (IF KNOWN): 1951

COMMON NAME/TRADE NAME: ARGON GAS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARGON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	20	20	30	365	L 2 4	2.2 9.0	7440-37-1

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE D104 D124 F126 /A104/E115/E163

UN/NA NO. (IF KNOWN): 1006

COMMON NAME/TRADE NAME: ARSINE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ARSINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
1		3	3	10	10	10	365	L 2 4	2.3 2.1	0007784-42-1

STORAGE LOCATIONS AT SITE: K206/TCS BLDG

UN/NA NO. (IF KNOWN): 2188

OSFMB131

SCOEPA00051900

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: CALCIUM CHLORIDE FLAKE 77-80%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM CHLORIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	11	20	20	365	J 1 4	6.3	0010043-52-4

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: CHROME TREATMENT BLDG, E163/ G101

COMMON NAME/TRADE NAME: CAUSTIC SODA BEADS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	20	20	30	365	J 1 4	6.3 8.0	0001310-73-2

UN/NA NO. (IF KNOWN): 1823

STORAGE LOCATIONS AT SITE: NOX SCRUBBER ROOM, WASTEWATER TREATMENT ROOM, CHROME TREATMENT ROOM, E163

COMMON NAME/TRADE NAME: CHROMIC ACID 50% SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CHROMIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	03	04	04	365	N 1 4 A 1 4	6.4 8.0	007738-94-5

UN/NA NO. (IF KNOWN): 1755

STORAGE LOCATIONS AT SITE: A130, CHROMIC ACID TREATMENT SHED / A122 - A131

COMMON NAME/TRADE NAME: CITRIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CITRIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
1		1	1	20	21	30	365	J 1 4	6.3	0000077-92-9

UN/NA NO. (IF KNOWN): 1759

STORAGE LOCATIONS AT SITE: G101/F101/S CHEM YARD

OSFMB131

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: CONC. ACID WASTEWATER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	30	30	70	365	A 1 4 B 1 4	8.0 6.3	0007664-39-3

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT, CAD STORAGE TANK, CAD FORWARDING SUMP.

UN/NA NO. (IF KNOWN): 1052

COMMON NAME/TRADE NAME: DEARBORN 154
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	04	10	365	0 1 4	8.0	0001310-73-2

STORAGE LOCATIONS AT SITE: FACILITIES BLDG - WAREHOUSE

UN/NA NO. (IF KNOWN): 1719

COMMON NAME/TRADE NAME: DEARBORN 545
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: MORPHOLINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	04	11	365	0 1 4	9.0	0000110-91-8

STORAGE LOCATIONS AT SITE: B128

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: DEARBORN 874
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	04	04	11	365	0 1 4	8.0 6.3	

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT

UN/NA NO. (IF KNOWN):

SCOEPA00051902

· FORM
CHEMICAL

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

Facility ID Number
005268

SECTION D SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

COMMON NAME/TRADE NAME: DETERGENT Q-9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	20	21	365	E 1 4	8.0	0001310-58-3

STORAGE LOCATIONS AT SITE: G101/A130/C112/C132/D125

UN/NA NO. (IF KNOWN): 1814

COMMON NAME/TRADE NAME: DIBORANE 20-50 PPM IN HYDROGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIBORANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		3	3	20	20	30	365	L 2 4	2.1	0001333-74-0

STORAGE LOCATIONS AT SITE: F-126, K203, K206, F124/F125
/TCS BLDG

UN/NA NO. (IF KNOWN): 1911

COMMON NAME/TRADE NAME: DIPROPYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIPROPYLENE GLYCOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	10	11	365	D 1 4	6.3	0025265-71-8

STORAGE LOCATIONS AT SITE: G101

UN/NA NO. (IF KNOWN): 0000

COMMON NAME/TRADE NAME: DOWFROST GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PROPYLENE GLYCOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	03	04	10	365	D 1 4	9.0	000057-55-6

STORAGE LOCATIONS AT SITE: G101

UN/NA NO. (IF KNOWN): 0000

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FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: EPOXY FAST CURE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: 1,2-EPOXY-3-ETHOXYPROPANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	10	11	365	F 1 4	3.3	

UN/NA NO. (IF KNOWN): 2752

STORAGE LOCATIONS AT SITE: G101/FACILITIES,D121/D126/C1 04/C111/H120

COMMON NAME/TRADE NAME: ETHYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ETHYLENE GLYCOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	10	10	11	365	D 1 4	6.3 6.4	0000107-21-1

UN/NA NO. (IF KNOWN): 1142

STORAGE LOCATIONS AT SITE: C121, SOUTH YARD/C120/G101/D 121

COMMON NAME/TRADE NAME: FERROSOL 332
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHOSPHONIC ACID, SODIUM SALT

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	04	04	365	0 1 4	6.3	0002809-21-4

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D104

COMMON NAME/TRADE NAME: FERROSOL 335
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CITRIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	04	04	04	365	0 1 4	8.0 6.3	0000077-92-9

UN/NA NO. (IF KNOWN): 1760

STORAGE LOCATIONS AT SITE: D104

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FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: GASOLINE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	04	04	365	D 1 4	3.1 6.3	0008006-61-9

STORAGE LOCATIONS AT SITE: FACILITIES

UN/NA NO. (IF KNOWN): 1203

COMMON NAME/TRADE NAME: HELIUM GAS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HELIUM

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	20	20	30	365	L 2 4	2.2	007440597

STORAGE LOCATIONS AT SITE: D121, F126, K203, A104, B127, H120, K115/E163/F124/CYLINDER WHSE

UN/NA NO. (IF KNOWN): 1046

COMMON NAME/TRADE NAME: HYDROCHLORIC ACID SOLUTION
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROCHLORIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	11	20	21	365	E 1 4 C 1 4	8.0 6.3	7647-01-0

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE AREA - F123, K121, F101, E110 - N SIDE HAZMAT STORAGE/K122/E142/E148/E146/E161/H127

UN/NA NO. (IF KNOWN): 1789

COMMON NAME/TRADE NAME: HYDROFLUORIC ACID SOLN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROFLUORIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	20	21	30	365	A 1 4 C 1 4	8.0 6.3	7664-39-3

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, A130, A122, B126, F123, E110, K122, H128, B122, A125, E163, C132, N SIDE HAZMAT STORAGE/A124/A131/E142/E146/E

UN/NA NO. (IF KNOWN): 1790

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FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: HYDROGEN CHLORIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN CHLORIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	2	10	11	21	365	L 2 4	2.2 8.0	007647-01-0

UN/NA NO. (IF KNOWN): 1050

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, F126, K203, K206

COMMON NAME/TRADE NAME: HYDROGEN CRYOGENIC
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	2	21	21	41	365	A 2 7 S 2 7	2.1	0001333-74-0

UN/NA NO. (IF KNOWN): 1966

STORAGE LOCATIONS AT SITE: BULK TANK S TD

COMMON NAME/TRADE NAME: HYDROGEN GAS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	20	20	30	365	L 2 4	2.1	0001333-74-0

UN/NA NO. (IF KNOWN): 1049

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE BLDG/F126, K203, K206/G101/F124/F125/K115

COMMON NAME/TRADE NAME: HYDROGEN PEROXIDE30%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROGEN PEROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	20	20	30	365	E 1 4	5.1 8.0	0007722-84-1

UN/NA NO. (IF KNOWN): 2014

STORAGE LOCATIONS AT SITE: S YARD CHEM STOR BLDG, F101, E110, C102, F123, H128, A125, B125, E163, OUTSIDE B122 - N SIDE HAZMAT STOR/K122/E148/E138/A130/C132/E141/G101/H1

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FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: ISOPROPYL ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	10	10	20	365	N 1 4 E 1 4	3.2 6.3	0000067-63-0

UN/NA NO. (IF KNOWN): 1219

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE D125 H127 K119 E110 A112 K101 C111

COMMON NAME/TRADE NAME: JUBILATION NO RINSE STRIP
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: GLYCOL MONOBUTYL ETHER

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	04	10	365	E 1 4	9.0	0000111-76-2

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: D125 SOLVENT STORAGE ROOM/G1 10

COMMON NAME/TRADE NAME: JUBILATION SEALER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIETHYLENE GLYCOL MONOYLETHER

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	04	04	365	E 1 4	9.0	0000111-77-3

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D-125

COMMON NAME/TRADE NAME: JUBILATION 2000
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: 2-(2-METHOXYETHOXY) ETHANOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	04	04	10	365	E 1 4	9.0	0000111-77-3

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D125

OSFMB131

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: KEROSENE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: KEROSENE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	04	04	365	D 1 4	3.3	0008008-20-6

UN/NA NO. (IF KNOWN): 1223

STORAGE LOCATIONS AT SITE: FACILITIES MAINTENANCE WASH RACK, D125

COMMON NAME/TRADE NAME: LIME
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM OXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	31	31	42	365	J 1 4 C 1 4	6.3	001305-79-9

UN/NA NO. (IF KNOWN): 1910

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT/ E163

COMMON NAME/TRADE NAME: LUTENSOL AP 10
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALKYLPHENOLETHOXYLATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	10	20	365	D 1 4	6.3	0068412-54-4

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: WAREHOUSE, D125, C111, D123/ G101

COMMON NAME/TRADE NAME: MITY DRY
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM CHLORIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		1	1	20	20	20	365	J 1 4	9.0	7647-14-5

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: WAREHOUSE, DRY AIR SYSTEM

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FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: NALCO, LUDOX, GLANZOX
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICA, COLLOIDAL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	20	30	365	E 1 4	6.3 6.4	7631-86-9

STORAGE LOCATIONS AT SITE: WAREHOUSE, F103, E101, E102

UN/NA NO. (IF KNOWN): 1346

COMMON NAME/TRADE NAME: NITRIC ACID 70%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITRIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	21	31	365	A 1 4 M 1 4	6.3 8.0	007697-37-2

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG BULK TANK, A122, C132, K122, B122, A130M A131/E115/E161

UN/NA NO. (IF KNOWN): 2031

COMMON NAME/TRADE NAME: NITROGEN CRYOGENIC LIQUID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	2	30	30	50	365	A 2 7 S 2 7	2.2 6.3	0007727-37-9

STORAGE LOCATIONS AT SITE: BULK TANK S YD BULK TANK W YD A125

UN/NA NO. (IF KNOWN): 1977

COMMON NAME/TRADE NAME: NITROGEN GAS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROGEN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
1		3	3	21	21	40	365	L 2 4	2.2	007727-37-9

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE K203 K206 F126 D121 K117 H120 TCS BLDG F124 F125 E115 A104

UN/NA NO. (IF KNOWN): 1066

OSFMB131

SCOEPA00051909

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: NITROUS OXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NITROUS OXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	11	11	11	365	L 2 4	2.2 6.3	0010024-97-2

STORAGE LOCATIONS AT SITE: E165, NOX BLDG/D125/E163

UN/NA NO. (IF KNOWN): 1070

COMMON NAME/TRADE NAME: OILS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	20	20	365	D 1 4 A 1 4	4.5 6.3	0064742-54-7

STORAGE LOCATIONS AT SITE: S YD CHEM BLDG, OUTSIDE H120, OUTSIDE GROWING NEXT TO COOLING TOWER - A001, H120, E109, C121/A133/B101/C111/C133/D121/E101/G101/C120/C104

UN/NA NO. (IF KNOWN): 1270

COMMON NAME/TRADE NAME: OXYGEN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: OXYGEN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	10	21	30	365	L 2 4	2.2 5.1	007782-44-7

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG/CYLINDER WHSE

UN/NA NO. (IF KNOWN): 1072

COMMON NAME/TRADE NAME: PHOSPHINE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PHOSPHINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
1		3	3	20	20	20	365	L 2 4	2.1 2.3	007803-51-2

STORAGE LOCATIONS AT SITE: F124/F125/F126/K203/K206

UN/NA NO. (IF KNOWN): 2199

OSFMB131

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: PHOTORESIST STRIPPER
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALIPHATIC AMINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	02	03	04	365	N 1 4	8.0 6.3	

UN/NA NO. (IF KNOWN): 1760

STORAGE LOCATIONS AT SITE: G101/A122/A125

COMMON NAME/TRADE NAME: POLISHING SLURRY
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: AMORPHOUS SILICA

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	21	30	365	E 1 4 N 1 4	6.3 6.4	0007631-86-9

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: F105 F127/E102/E104A/F103/G1
01

COMMON NAME/TRADE NAME: POLYELPH 956
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ORGANOPHONIC ACID, POTASSIUM SALT

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	10	20	365	0 1 4	6.3	0067953-76-8

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: F101

COMMON NAME/TRADE NAME: POTASSIUM CARBONATE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM CARBONATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
1		1	1	20	30	40	365	I 1 4	6.3 6.4	0000584-08-7

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: F103, E110, F123, E163, F104
/E138/G101

OSFMB131

SCOEPA00051911

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	21	30	41	365	I 1 4	8.0 6.3	0001310-58-3

UN/NA NO. (IF KNOWN): 1813

STORAGE LOCATIONS AT SITE: C132, C112, F104, D125/A130/ E163/G101

COMMON NAME/TRADE NAME: POTASSIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POTASSIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	20	20	21	365	C 1 4	8.0 6.3	0001310-58-3

UN/NA NO. (IF KNOWN): 1813

STORAGE LOCATIONS AT SITE: C112,C132, C111, F104/E161/E 163

COMMON NAME/TRADE NAME: PROPANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PROPANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	2	04	10	10	365	A 2 4 L 2 4	2.1 6.3	0000074-98-6

UN/NA NO. (IF KNOWN): 1075

STORAGE LOCATIONS AT SITE: W END OF PLANT OUTSIDE WAREH OUSE

COMMON NAME/TRADE NAME: REFRIGERANT 11
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROFLUOROMETHANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
1		3	2	04	04	04	365	D 1 4	2.2	000075-69-4

UN/NA NO. (IF KNOWN): 1078

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG

OSFMB131

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: REFRIGERANT 22
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CHLORODIFLUOROMETHANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	11	11	21	365	0 1 4	2.2	0000075-45-6

STORAGE LOCATIONS AT SITE: HAZMAT STORAGE AREA/G110, S YARD CHEM STORAGE BLDG

UN/NA NO. (IF KNOWN): 1018

COMMON NAME/TRADE NAME: ROKRAMAR
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: MALEIC RESIN

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	20	20	30	365	J 1 4	9.0	

STORAGE LOCATIONS AT SITE: F104, C122, G101

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: RP TEAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: DIETHANOLAMINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	10	10	365	E 1 4	9.0	0000111-42-2

STORAGE LOCATIONS AT SITE: D123, D119B, G101

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: SAG 710 ANTIFOAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: POLYDIMETHYL SILOXANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	10	11	30	365	E 1 4	9.0	

STORAGE LOCATIONS AT SITE: F101, WASTE WATER TREATMENT PLANT, C102, F127, D123, G101, C132

UN/NA NO. (IF KNOWN): 0000

OSFMB131

SCOEPA00051913

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: SILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		3	3	10	11	20	365	L 2 4	2.1 4.4	0007803-62-5

STORAGE LOCATIONS AT SITE: SOUTH YARD SILANE BUILDING/G 110

UN/NA NO. (IF KNOWN): 2203

COMMON NAME/TRADE NAME: SILICA GEL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICA, AMORPHOUS, HYDRATED

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	11	11	20	365	J 1 4	9.0 0	0007631-86-9

STORAGE LOCATIONS AT SITE: G101/E163/F103/E102A

UN/NA NO. (IF KNOWN): 0000

COMMON NAME/TRADE NAME: SILICON HYPERPURE CHIPS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SILICON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		1	1	20	30	30	365	K 1 4	6.3 6.4	0007440-21-3

STORAGE LOCATIONS AT SITE: C110/G101

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME: SODIUM CHLORITE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM CHLORITE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	21	21	21	365	A 1 4 C 1 4	5.1 6.3	0007758-19-2

STORAGE LOCATIONS AT SITE: NOX BLDG

UN/NA NO. (IF KNOWN): 1496

OSFMB131

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: SODIUM HYDROXIDE SOLN
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYDROXIDE

1 - PURE 2 - MIXTURE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	2	20	21	31	365	E 1 4 A 1 4	8.0 6.3	0001310-73-2

1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1824

STORAGE LOCATIONS AT SITE: WASTE WATER TREATMENT PLANT
BULK TANKS, F101, K122, NOX BUILDING, B122, E1
63/G101

COMMON NAME/TRADE NAME: SODIUM HYPOCHLORITE 12.5%
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM HYPOCHLORITE

1 - PURE 2 - MIXTURE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2	2	2	03	04	10	365	N 1 4 C 1 4	8.0 5.1	0007681-52-9

1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1791

STORAGE LOCATIONS AT SITE: FACILITIES BLDG

COMMON NAME/TRADE NAME: SODIUM METABISULFITE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM METABISULFITE

1 - PURE 2 - MIXTURE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1	1	1	10	11	20	365	J 1 4	6.3	0007681-57-4

1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: CHROMIC TREATMENT BLDG, F-10
1/G101

COMMON NAME/TRADE NAME: SODIUM SULFIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM SULFIDE

1 - PURE 2 - MIXTURE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2	2	2	20	20	21	365	A 1 4 C 1 4	8.0 6.3	0001313-82-2

1 - NEW 2 - NO LONGER REPORTABLE

UN/NA NO. (IF KNOWN): 1849

STORAGE LOCATIONS AT SITE: NOX BUILDING

OSFMB131

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: STEPHANOL AM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ALKYL SULFATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	10	10	20	365	D 1 4	9.0	

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: A130/A131/G101

COMMON NAME/TRADE NAME: STODDARD SOLVENT
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATES

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	04	04	365	D 1 4	3.3	0064742-47-8

UN/NA NO. (IF KNOWN): 1268

STORAGE LOCATIONS AT SITE: H120 D121

COMMON NAME/TRADE NAME: SULFURIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SULFURIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	20	21	40	365	A 1 4 M 1 4	8.0 6.3	0007664-93-9

UN/NA NO. (IF KNOWN): 1830

STORAGE LOCATIONS AT SITE: F101/NOX BLDG/ACID WHSE/WASTE WATER TREATM PLANT/E146/E161/E163

COMMON NAME/TRADE NAME: TERGITOL MIN-FOAM
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SECONDARY ALCOHOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	03	03	04	365	D 1 4	6.3 6.4	0068551-14-4

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: G101/F104/E161/E185

OSFMB131

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: TETRAMETHYLAMMONIUM HYDROXIDE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TETRAMETHYLAMMONIUM HYDROXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	11	20	365	N 1 4 E 1 4	8.0	75-59-2

UN/NA NO. (IF KNOWN): 1835

STORAGE LOCATIONS AT SITE: F105, F127 ACID STORAGE AREA /E144/E141/E146/E148/H127/E163

COMMON NAME/TRADE NAME: TRICHLOROSILANE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRICHLOROSILANE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	10	11	21	365	L 2 4	3.1 4.3	0010025-78-2

UN/NA NO. (IF KNOWN): 1295

STORAGE LOCATIONS AT SITE: SOUTH YARD CHEMICAL STORAGE BLDG, EPI GAS STORAGE/K206/F124/F125/F126

COMMON NAME/TRADE NAME: TRIETHYLENE GLYCOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRIETHYLENE GLYCOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	03	04	04	365	D 1 4	6.3 0	0000112-27-6

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: G101

COMMON NAME/TRADE NAME: TURCO CAVICLEAN #2
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: SODIUM DODECYLBENZENESULFONATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	04	04	11	365	D 1 4	6.3	0025155-30-0

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: C102,WAREHOUSE/G101

SCOEPA00051917

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: VACUUM CLEANER DUST
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ANTIMONY TRIOXIDE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	11	20	20	365	D 1 4	9.0	

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE A104

COMMON NAME/TRADE NAME: VANWET 9N9
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: NONYLPHENOL SURFACTANT

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	11	21	365	E 1 4	6.3	0009016-45-9

UN/NA NO. (IF KNOWN): 0000

STORAGE LOCATIONS AT SITE: D125,F104,E110, F126, F127, G106/A118/A130/C112/C122/E108/E144/E148/F105/F123/F127/G101/K203/K205

COMMON NAME/TRADE NAME: VANZOL V-1 200
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ETHYL ALCOHOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	10	11	365	D 1 4	3.3 6.3	0000064-17-5

UN/NA NO. (IF KNOWN): 1986

STORAGE LOCATIONS AT SITE: D125, S YARD CHEMICAL STORAGE BLDG, C121,A125, E102, E112/F104/E163

COMMON NAME/TRADE NAME: VECTOR HTR & HTS
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: TRIETHANOLAMINE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	10	10	20	365	D 1 4 E 1 4	4.5 6.4	0000102-71-6

UN/NA NO. (IF KNOWN):

STORAGE LOCATIONS AT SITE: D125, C112/C105/E163/G101

OSFMB131

SCOEPA00051918

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT CHANGES IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: WASTE ALCOHOL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: ISOPROPYL ALCOHOL

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	04	11	21	365	D 1 4	3.2 0	0000067-63-0

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE D125/A117

UN/NA NO. (IF KNOWN): 1219

COMMON NAME/TRADE NAME: WASTE CHROMIC ACID
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CHROMIC ACID

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	10	11	21	365	A 1 4	8.0 6.3	0007738-94-5

STORAGE LOCATIONS AT SITE: A130, CHROME TREATMENT SHED

UN/NA NO. (IF KNOWN): 1755

COMMON NAME/TRADE NAME: WASTE CHROMIC SLUDGE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: CALCIUM

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		1	1	20	20	21	365	D 1 4	9.0	0007738-94-5

STORAGE LOCATIONS AT SITE: CHROMIC TREATMENT BLDG, SOUTH YARD STORAGE BLDG

UN/NA NO. (IF KNOWN): 3077

COMMON NAME/TRADE NAME: WASTE OIL
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM HYDROCARBON

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
2		2	2	20	20	20	365	A 1 4 D 1 4	4.5 6.4	0064742-54-7

STORAGE LOCATIONS AT SITE: S YD CHEM STORAGE OUTSIDE H120 OUTSIDE GROWING NEXT TO COOLING TOWER A001 H120 B101 E109 C121/A133/C104/C111/C120/C133/D121/E101/G101

UN/NA NO. (IF KNOWN): 9189

OSFMB131

SCOEPA00051919

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: WASTE SOLVENT
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: PETROLEUM DISTILLATE

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
2		2	2	03	04	10	365	D 1 4	3.2 6.3	0008052-41-3

STORAGE LOCATIONS AT SITE: S YARD CHEM STORAGE H120

UN/NA NO. (IF KNOWN): 3077

COMMON NAME/TRADE NAME: WASTE TURPENTINE SUBSTITUTE
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: HYDROCARBON SOLVENT

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
1		2	2	04	04	04	365	D 1 4	3.3	0000111-76-2

STORAGE LOCATIONS AT SITE: WASTE STORAGE BLDG

UN/NA NO. (IF KNOWN): 1300

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)

STORAGE LOCATIONS AT SITE:

UN/NA NO. (IF KNOWN):

COMMON NAME/TRADE NAME:
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION:

1 - PURE 2 - MIXTURE	1 - NEW 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)

STORAGE LOCATIONS AT SITE:

UN/NA NO. (IF KNOWN):

SCOEPA00051920

FORM
CHEMICAL

SECTION D

1996-1997 OREGON STATE FIRE MARSHAL
HAZARDOUS SUBSTANCE INFORMATION SURVEY

SUBSTANCE INFORMATION - TYPE OR PRINT **CHANGES** IN THE [BRACKETED] AREAS

Facility ID Number
005268

COMMON NAME/TRADE NAME: [ ]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [ ]

1 - PURE / 2 - MIXTURE	1 - NEW / 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ][ ]	[ ]
								[ ][ ][ ]		UN/NA NO. (IF KNOWN)
										[ ]

STORAGE LOCATIONS AT SITE

[ ]
[ ]

COMMON NAME/TRADE NAME: [ ]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [ ]

1 - PURE / 2 - MIXTURE	1 - NEW / 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLE IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ][ ]	[ ]
								[ ][ ][ ]		UN/NA NO. (IF KNOWN)
										[ ]

STORAGE LOCATIONS AT SITE

[ ]
[ ]

COMMON NAME/TRADE NAME: [ ]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [ ]

1 - PURE / 2 - MIXTURE	1 - NEW / 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO. (IF KNOWN)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ][ ]	[ ]
								[ ][ ][ ]		UN/NA NO. (IF KNOWN)
										[ ]

STORAGE LOCATIONS AT SITE

[ ]
[ ]

COMMON NAME/TRADE NAME: [ ]
HAZARDOUS INGREDIENT
IN HIGHEST CONCENTRATION: [ ]

1 - PURE / 2 - MIXTURE	1 - NEW / 2 - NO LONGER REPORTABLE	PHYSICAL STATE (USE TABLE I)	UNIT OF MEASURE (USE TABLE II)	AVG. AMT. CODE (USE TABLE III)	MAX. AMT. CODE (USE TABLE III)	AMT. PER YEAR CODE (USE TABLE III)	NUMBER OF DAYS ON SITE (3 DIGIT NO.)	STORAGE CODE (USE TABLES IV & V)	HAZARD CLASSES (USE TABLE VI)	CAS NO.(IF KNOWN)
[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ]	[ ][ ][ ]	[ ][ ]	[ ]
								[ ][ ][ ]		UN/NA NO. (IF KNOWN)
										[ ]

STORAGE LOCATIONS AT SITE

[ ]
[ ]

SCOEPA00051921

drums by number

Empty drums

PN	Chemical	Drum type	vendor that takes them primary	Annual Usage
5403872	Acetic acid 35%	P	return loop	133
5404749	Filtermate 150	P	Steelhead	6
5407326	Caustic soda 50%	P	VWR	277
5407338	Ethylene glycol	M	VWR	21
5407339	Ammonium hydroxide	P	VWR	187
5407340	H_2O_2 30% Class 10	P	VWR	539
5407348	Vector HTR	P	Steelhead	52
5407349	Vector HTS-1.4	P	Steelhead	57
5407352	HCl microprocess grade	P	VWR-scrap	41
5407355	HF Class 10 grade	P	VWR-scrap	92
5407361	Nitric acid	M	return loop	21
5407362	HCl ppb grade 37%	P	return loop	74
5407365	Ludox	P	VWR	459
5407367	Fujimi Glanzox 3900	P	Steelhead	208
5407368	Rodel LS-10	P	Steelhead	270
5407369	Rodelene premix	P		2
5407370	Fujimi edge mirror 2	P	Steelhead	19
5407371	Fujimi Glanzox HP-20	P	Steelhead	52
5407374	Vanzol, ethanol, V-1	M	VWR	17
5407375	Acetone	M	VWR	7
5407376	IPA	M	VWR	88
5407392	SAG 710	P	?	64
5407394	TMAH	P	in loop	138
5407407	RP Team	P	Steelhead	11
5407424	Glycol	M	VWR	342
5407480	Stepanol	F	Trash	10
5407937	Lutensol AP-10	M	Williams, scrap	92
5407938	Turco CaviClean #2	P	Steelhead	10
5407939	Q9	P	Steelhead	218
5407940	Vanwet 9N9	P	VWR	33
5412683	Levasil 200	P	Steelhead	0
5407406	SiC	P	Steelhead	497

SCOEPA00051922

Letter of Transmittal

Client: WSC

Date: 4/26/96

Project Name: Fab 2

☐ Mail ☐ Overnight Courier

IDC Project No.: 2873

☒ Other Hand

Location: Site, PDX

To: H. Höller /WSC

From: E. Grishaber/R. Ortelcan

Attn.:

Phone:

Subject:

If material received is not as listed please notify us at once.

These are your transmitted for action

☒ Attached	☐ Under Separate Cover Via	☒ For Your Use
☐ Shop Drawings	☐ Drawings	☐ For Approval
☐ Prints	☐ Catalogs	☐ As Requested
☐ Documents	☐ Copy of Letter	☐ Review and Return
☐ Specifications	☒ Electronic copy on disc	☐

Copies	Date	Item
1	4-25-96	Chemical Quantities Spreadsheet (9 pages)
1	4-25-96	Electronic copy of above: CHEMLSTA.XLS.

FORWARDED TO TOM McCUE for 4/26/96

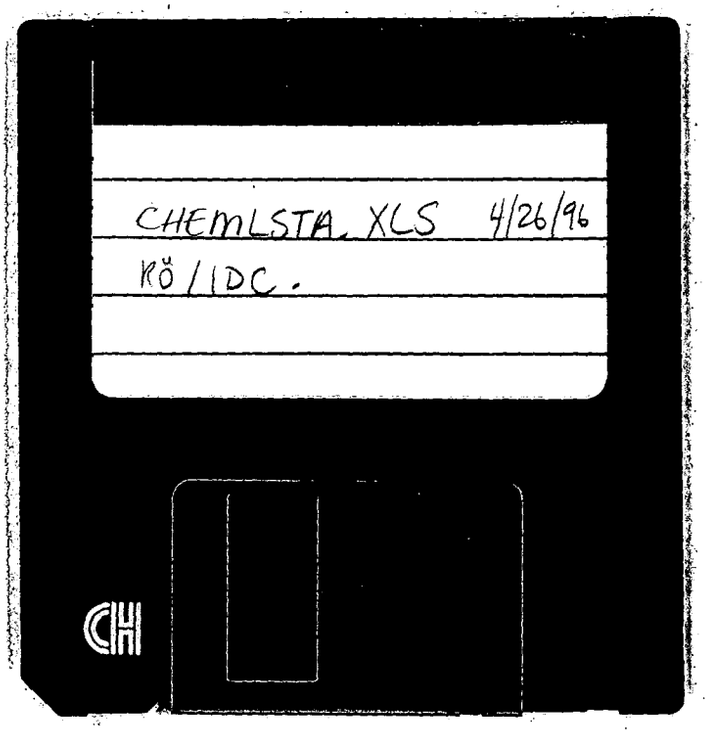
Remarks

By: R. Ortelcan

A002

03/92

SCOEPA00051923


CHEMLSTA.XLS 4/26/96
KÖ/IDC.

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

Revised: 4/25/96

							STORAGE			USE-CLOSED			USE-OPEN					HAZARD CLASSIFICATION										
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																											
NONHAZARDOUS MATERIALS																											
6B110	Pre-Clean	27.21.	1	TMAH Dosing Supply	TMAH (1%)	1% TMAH aq					7.9				X											
6D110	Tab Removal	27.11.0 - 02.101	1	Wet Bench	Q9	5% Q9 w/ DI Water					15				X											
6D110	Tab Removal	27.11.0 - 01.101	1	Precleaning Machine	Q9	4% Q9 w/ DI Water					8				X											
6D118	Process Support	27.15.1 - 01.101	1	Grinding Water Prep	100% Lutensol	1% Monophenol ethoxylate					110				X											
6D108	Lapping	27.20.0 - 01.101	1	Post Lap Clean	Q9	2% Q9					1.5															
6D108	Lapping	27.19.0 - 21.101	1	Day Tank for Wolters AC 1500	DIW/ Al_2O_3/ HTS/HTR	<10% Triethanolamine aq					10				X											
6D108	Lapping	27.19.0 - 01.101	1	Day Tank for Wolters AC 1500	DIW/ Al_2O_3/ HTS/HTR	<10% Triethanolamine aq					10				X											
6D108	Lapping	27.19.0 - 01.101	1	Day Tank for Wolters AC 1500 (Future)	DIW/ Al_2O_3/ HTS/HTR	<10% Triethanolamine aq					10				X											
6D108	Lapping	27.19.0 - 01.101	1	Day Tank for Wolters AC 1400	DIW/ Al_2O_3/ HTS/HTR	<10% Triethanolamine aq					10				X											
6D108	Lapping	27.19.0 - 01.101	1	Lap Slurry Mixing	HTS	<10% Triethanolamine aq					55				X											
6D228	PreHeat Treat Wet Bench	28.05.0 - 01.101	1	SC1 Bath	1 vol% TMAH (25%)/ 1 vol% H_2O_2 (30%)	<0.3% Tetramethyl ammonium hydroxide aq								15	X											
6D233	Frontside Grind	01.101, .102, .103, .104	4	Cleaning	1% Surfactant/ DIW	Surfactant TBD								40	X											
6D242	Edge Polish	28.21.0 - 01.101, .111, .121	3	Speedfam	9% Polish Slurry/ DIW RD94047	Colloidal SiO_2								33	X											
6D118	Process Support	28.21.1 - 01.101	1	Edge Polish Slurry Mixing Day Tank	9 vol% RD94047	Colloidal SiO_2					500				X											
6D118	Process Support	28.21.1 - 01.101	1	Edge Polish Slurry Concentrate	RD94047	Colloidal SiO_2		110			110				X											
6D242	Edge Polish **FUTURE**	28.21.0 - 01.XXX	3	Speedfam	9% Polish Slurry/ DIW RD94047	Colloidal SiO_2								33	X											
6D242	Edge Polish Wet Bench	28.23.0 - 01.101	1	SC1 Bath	1 vol% TMAH (25%)/ 1 vol% H_2O_2 (30%)	<0.3% Tetramethyl ammonium hydroxide aq								15	X											
6D204	Final Clean	28.39.0 - 01.101, 02.101, 03.101	3	ERA Automat	TBD (1 vol% TMAH (25%)/ 1 vol% 9N9)	<0.3% Tetramethyl ammonium hydroxide aq								48	X											
6D118	Process Support	28.39.1	2	Cleaning Solution Prep Mix and Distribution Tank	TBD (1 vol% TMAH (25%)/ 1 vol% 9N9)	<0.3% Tetramethyl ammonium hydroxide aq					2000				X											

Greyed Cells are the revisions that need verified

SCOEPA00051925

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

							STORAGE			USE-CLOSED			USE-OPEN						HAZARD CLASSIFICATION									
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																											
6D118	Process Support		2	**Future** Cleaning Solution Prep Mix and Distribution Tank	TBD (0.04 vol% SBS / 1 vol% 9N9)	<0.04% Sulfosuccinic acid aq					2000				X											
6D118	Process Support	28.39.1	1	Cleaning Solution -- 9N9	9N9	100% Alkylphenol Ethoxylate					150				X											
6D204	Final Clean **FUTURE**	28.39.0 - xxx, xxx	2	ERA Automat	TBD (0.04 vol% SBS / 1 vol% 9N9)	<0.04% Sulfosuccinic acid aq								32	X											
6D239	Polish	28.29.0 - 01.104,	2	Slurry Supply	Rough Polish HP20 19:1	Colloidal SiO_2								50	X											
6D239	Polish **Future**	28.29.0 - 01.XXX	2	Slurry Supply	Rough Polish HP20 19:1	Colloidal SiO_2								50	X											
6D239	Polish	01.108, .128	2	Slurry Supply	Intermediate Polish HP20 19:1	Colloidal SiO_2								50	X											
6D239	Polish **Future**	28.29.0 - 01.XXX	2	Slurry Supply	Intermediate Polish HP20 19:1	Colloidal SiO_2								50	X											
6D239	Polish	01.112, .132	2	Slurry Supply	Final Polish 14:1 FGL3900	Colloidal SiO_2								50	X											
6D118	Process Support	28.29.1-01.101	2	Rough Polish Slurry Day Tank	Rough Polish HP20 19:1	Colloidal SiO_2					500				X											
6D118	Process Support	28.29.1-01.101	1	Rough Polish Slurry Concentrate	Rough Polish HP20	Colloidal SiO_2		110			110				X											
6D118	Process Support	28.29.1-01.102	2	Intermediate Polish Slurry Day Tank	Intermed. Polish HP20 39:1	Colloidal SiO_2					500				X											
6D118	Process Support	28.29.1-01.102	1	Intermediate Polish Slurry Concentrate	Intermediate Polish HP20	Colloidal SiO_2		110			110				X											
6D118	Process Support	28.29.1-01.103	1	Final Polish Slurry Day Tank	Final Polish 14:1 Glanzox 3900	Colloidal SiO_2					500				X											
6D118	Process Support	28.29.1-01.103	2	Final Polish Slurry Concentrate	Glanzox 3900	Colloidal SiO_2		110			110				X											
6D239	Polish **Future**	28.29.0 - 01.XXX	2	Slurry Supply	Final Polish (TBD)	Colloidal SiO_2								50	X											
6D239	Polish	28.29.0 - 01.117	1	Surfactant Supply	Surfactant/DI Water	4% Rodolene in DI Water								25	X											
6D239	Polish **Future**	28.29.0 - 01.XXX	1	Surfactant Supply	Surfactant/DI Water	4% Rodolene in DI Water								25	X											
6D239	Polish	01.102, .112	2	Wet Demount	Surfactant/DI water	Rodolene/DI water								20	X											
6D239	Polish **Future**	28.31.0 - 01.XXX	2	Wet Demount	Surfactant/DI water	Rodolene/DI water								20	X											
6D238	Wax Removal Wet Bench	28.33.0 - 01.101, .111	2	Bath 1	1 vol% TMAH (25%)/ 1 vol% H_2O_2 (30%)	<0.3% Tetramethyl ammonium hydroxide aq								30	X											

Greyed Cells are the revisions that need verified

SCOEPA00051926

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

							STORAGE			USE-CLOSED			USE-OPEN					HAZARD CLASSIFICATION									
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																										
6D238	Wax Removal Wet Bench	28.33.0 - 01.101, .111	2	Bath 2	1 vol% TMAH (25%)/ 1 vol% H_2O_2 (30%)	<0.3% Tetramethyl ammonium hydroxide aq								30	X											
6D238	Wax Removal Wet Bench	28.33.0 - 01.101, .111	2	SC1 Bath	1 vol% TMAH (25%)/ 1 vol% H_2O_2 (30%)	<0.3% Tetramethyl ammonium hydroxide aq								30	X											
6D204	Preclean Wet Bench	28.37.0 - 01.101, .111	2	SC1 Bath	<0.3% Tetramethyl ammonium hydroxide aq									60	X											
6D242	Polish	28.25.0 - 01.101, 02.101	2	ERA Automat	(1 vol% TMAH (25%)/ 1 vol% 9N9 + EDTA (0 0.8%))	<0.3% Tetramethyl ammonium hydroxide aq								48	X											
6D242	Polish, **FUTURE**	28.25.0 - xxx, xxx	2	ERA Automat	(0.04 vol% SBS / 1 vol% 9N9 + EDTA (0- 0.8%))	<0.04% Sulfosuccinic acid aq								48	X											
6D220	Package Cleaning	28.41.1 - 01.102	1	Package Cleaning	0.1 vol% Tergitol	<0.1% Alcohol alkoxylate aq								20	X											
6D220	Package Cleaning **FUTURE**	28.41.1 - 01.102	1	Package Cleaning	0.1 vol% Tergitol	<0.1% Alcohol alkoxylate aq								20	X											
COMBUSTIBLE LIQUID 3A																										
6D103	Tab Removal	27.11.0 - 01.101	1	Pre-cleaning Machine	Castrol AS-58 solvent and waste solvent	Solvent and waste solvent					258					3A										
6D103	MWS-Cutting	27.05.0	1	Sprayer	Solvent	Castrol AS-58					10					3A										
						TOTALS	NA	0	NA	NA	268	NA	NA	0												
						ALLOWABLE	NA	1320	NA	NA	660	NA	NA	160												
						AGGREGATE	NA	268	NA																	
COMBUSTIBLE LIQUID 3B																										
6D103	Ingot Mounting	27.03.0 - 04.101	1	Epoxy Preparation	Valtron Adhesive Resin	Bisphenol-A Diglycidyl Ether Polymer		4			2					3B										X
6D103	Ingot Mounting	27.03.0 - 04.101	1	Epoxy Preparation	Valtron Adhesive Catalyst	<40% Diethylenetriamine		0.5			0.2					3B							X			
6D103	Ingot Mounting	27.03.0 - 04.101	1	???	Mesamoll	Aromatic Sulfonic Ester		0.1								??							??			??
6D103	Ingot Mounting	27.03.0 - 04.101	1	???	Relavit Liquid Super	Cleaner with alkalies and chlorine ????		8								??							??			??
6D103	MWS-Cutting	01.101 through .116	16	Wiresaw	SiC grit/ Machine oil	Mineral oil (TBD)					700					3B										
6D115	MWS Slurry Prep	27.05.1	1	Slurry Mixing System	Machine oil	Mineral oil (TBD)					220					3B										
6D115	MWS Slurry Prep	27.05.1	1	Slurry Mixing System	SiC grit/ Machine oil	Mineral oil (TBD)					200					3B										

Greyed Cells are the revisions that need verified

SCOEPA00051927

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

							STORAGE			USE-CLOSED			USE-OPEN					HAZARD CLASSIFICATION									
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																										
6D115	MWS Slurry Waste	27.05.2	1	Slurry Waste Tank	SiC grit/ Machine oil	Mineral oil (TBD)		440			220					3B										
						TOTALS	NA	452.6	NA	NA	1342	NA	NA	0												
						ALLOWABLE	Unlimited			Unlimited			Unlimited													
FLAMMABLE LIQUID 1B																										
6D103	Ingot Mounting	27.03.0 - 04.101	1	Epoxy Preparation	Vinnapas C305 (3 parts) / Ethanol (7 parts)	Copolymer / Ethanol					2							1B						X		
6D103	MWS Cutting	01.101 through .116	16	Wire Saw	IPA	Isopropyl Alcohol					1							1B						X		
6D239	Wax Mounting	28.27.0 - 01.101, .111	2	Wax HF3511	35% RAF in 45% IPA 20% toluene	45 % IPA		10						1				1B						X		
						TOTALS	NA	10	NA	NA	3	NA	NA	1												
						ALLOWABLE	NA	240	NA	NA	120	NA	NA	30												
						AGGREGATE	NA	14	NA		3															
6D239	Wax Mounting **FUTURE**	28.27.0 - 01.XXX, XXX	2	Wax HF3511	35% RAF in 45% IPA 20% toluene	45 % IPA		10						1				1B						X		
						TOTALS	NA	10	NA	NA	123	NA	NA	31												
						ALLOWABLE	NA	240	NA	NA	120	NA	NA	30												
						AGGREGATE	NA	164	NA		123															
FLAMMABLE LIQUID 1C																										
	Various			Various	Cleaning Solvents	TBD		115						30				1C						X		
						TOTAL	NA	115	NA	NA	0	NA	NA	30												
						ALLOWABLE	NA	360	NA	NA	180	NA	NA	40												
						AGGREGATE	NA	145	NA																	
COMBINATION FLAMMABLE LIQUID 1B, 1C																										
						TOTALS	NA	125	NA	NA	3	NA	NA	31												
						ALLOWABLE	NA	480	NA	NA	240	NA	NA	60												
						AGGREGATE	NA	159	NA																	
WATER REACTIVE 1																										
6D110	Tab Removal		1	KOH Pellet Storage for less than 4 hours	KOH solid	100% KOH	22															1	X		X	
						TOTALS	22	0	0	0	0	0	0	0												
						ALLOWABLE	Unlimited			Unlimited			Unlimited													
CORROSIVE																										
6D110	Tab Removal		1	KOH Pellet Storage for less than 4 hours	KOH solid	100% Potassium Hydroxide Pellets solid	22															1	X		X	
6D110	Tab Removal	27.11.0 - 02.101	1	Wet Bench	Acetic Acid	Acetic Acid 35% aq					45												X			

Greyed Cells are the revisions that need verified

SCOEPA00051928

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

Revised: 4/25/96

							STORAGE			USE-CLOSED			USE-OPEN					HAZARD CLASSIFICATION										
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																											
6D110	Tab Removal	27.11.0 - 02.101	1	Wet Bench	KOH 30% aq	Potassium Hydroxide 30% aq					7												X			
6D110	Tab Removal	27.11.0 - 02.101	1	Quick Dump	Acetic Acid	Acetic Acid 35% aq					53												X			
6D110	Tab Removal	27.11.0 - 02.101	1	Ultrafiltration	NaOH 15% aq	Sodium Hydoxide 15% aq					16												X			
6D110	Tab Removal	27.11.0 - 02.101	1	Chemical Delivery System	Acetic Acid	Acetic Acid 35% aq		110															X			
6D103	Ingot Mounting	27.03.0 - 04.101	1	Epoxy Preparation	Valtron Adhesive	<40% Diethylenetriamine		0.5			0.2					3B							X			
6D239	Wax Mounting / Polish	28.27.0 - 01.114	1	Plate Clean Recirculation	30% H2O2 aq	30% Hydrogen Peroxide													2				X			
6D239	Wax Mounting / Polish	28.27.0 - 01.114	1	Plate Clean Recirculation	Devel A	Sodium silicate, potassium silicate and phosphate		20						26									X	X		
6D239	Wax Mounting / Polish, **FUTURE**	28.27.0 - 01.XXX	1	Plate Clean Recirculation	30% H2O2 aq	30% Hydrogen Peroxide													2				X			
6D239	Wax Mounting / Polish, **FUTURE**	28.27.0 - 01.XXX	1	Plate Clean Recirculation	Devel A	Sodium silicate, potassium silicate and phosphate		20						26									X	X		
6D228	PreHeat Treat Wet Bench	28.05.0 - 01.101	1	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant	<10 % HF aq								15									X			X
6D228	Heat Treat	28.11.0 - 02.101	1	LTO/HF Fill	HF (49%)	49% HF aq					1												X		X	X
6D228	Heat Treat	28.13.0 - 01.101	1	Semitool Equinox	HF (49%)	49% HF aq					4.2												X		X	X
6D242	Edge Polish Wet Bench	28.23.0 - 01.101	1	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant(9N9)	<10 % HF aq								15									X			X
6D249	DeWax (Wax Removal)	28.33.0- 01.101/111	2	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant(9N9)	<10 % HF aq								30									X			X
6D204	Preclean Wet Bench	28.37.0- 01.101/111	2	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant	<10 % HF aq								30									X			X
6D121	Laser Marking	27.17.0 - 05.101	1	KOH Pellet Storage for less than 4 hours	KOH Pellets	100% Potassium Hydroxide Pellets solid	22															1	X		X	
6D121	Laser Marking	27.17.0 - 05.101	1	Etch Station	50% KOH aq	Potassium Hydroxide 50% aq								1.9								1	X			
6C302	Interstitial	29.03		TCS SVENT Scrubber	NaOH	NaOH aq					20															
						TOTALS	44	150.5	0	0	146.4	0	0	143.9												
						ALLOWABLE	20000	2000	2600	10000	1000	2600	2000	200												

Greyed Cells are the revisions that need verified

SCOEPA00051929

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

							STORAGE			USE-CLOSED			USE-OPEN						HAZARD CLASSIFICATION										
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																												
						AGGREGATE	44	440.8	0																			
IRRITANT																												
6D118	Edge Grind	27.15.1	1	Grinding Water Prep	Lutensol	100% Monophenol ethoxylate					110													X				
6D228	PreHeat Treat Wet Bench	28.05.0 - 01.101	1	SC2 Bath	3 vol% HCl (37%)/ 1 vol% H_2O_2 (30%)	<2% HCl aq								15										X				
6D242	Edge Polish Wet Bench	28.23.0 - 01.101	1	SC2 Bath	3 vol% HCl (37%)/ 1 vol% H_2O_2 (30%)	<2% HCl aq								15										X				
6D239	Wax Mounting	01.101, .111	2	Wax Mounter	HF3511	45% IPA								30				X						X	X			
6D204	Preclean Wet Bench	01.101, .111	2	SC2 Bath	3 vol% HCl (37%)/ 1 vol% H_2O_2 (30%)	<2% HCl aq								30										X				
6D220	Package Cleaning	01.101, .XXX	2	Concentrate	Tergitol	>97% Alcohol alkoxylate					6													X				
						TOTALS	0	0	0	0	116	0	0	90														
						ALLOWABLE	20000	2000	2600	10000	1000	2600	2000	200														
						AGGREGATE	0	206	0																			
TOXIC								(lb)			(lb)			(lb)														
6D110	Tab Removal		1	KOH Pellet Storage for less than 4 hours	KOH solid	100% KOH	22															1	X		X			
6D121	Laser Marking	27.17.0 - 05.101	1	KOH Pellet Storage for less than 4 hours	KOH Pellets	100% Potassium Hydroxide Pellets solid	22															1	X		X			
6D228	Heat Treat	28.11.0 - 02.101	1	LTO/HF Fill	HF (49%)	49% HF aq					10												X		X	X		
6D228	Heat Treat	28.13.0 - 01.101	1	Semitool Equinox	HF (49%)	49% HF aq					4.2												X		X	X		
						TOTALS	44	0	0	0	10	0	0	0														
						ALLOWABLE	2000	2000	2600	1000	1000	40	250	250														
						AGGREGATE	44	10	0																			
OTHER HEALTH HAZARD																												
6D103	Ingot Mounting	27.03.0 - 04.101	1	Epoxy Preparation	Valtron Adhesive Resin	Bisphenol-A Diglycidyl Ether Polymer		4			2					3B										X		
6D118	Process Support	27.19.3	1	Antirust Fluid Prep	HTR	10% Triethanolamine					110															X		
6D204	Preclean Wet Bench	28.37.0-01.101/111	2	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant	<10 % HF aq								30									X			X		
6D228	PreHeat Treat Wet Bench	28.05.01 - 01.101	1	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant	<10 % HF aq								15									X			X		
6D242	Edge Polish Wet Bench	28.23.0 - 01.101	1	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant	<10 % HF aq								15									X			X		

Greyed Cells are the revisions that need verified

SCOEPA00051930

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

							STORAGE			USE-CLOSED			USE-OPEN						HAZARD CLASSIFICATION								
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																										
6D238	DeWax (Wax Removal)	28.33.0-01.101/111	2	HF Bath	2 vol% HF (49%)/ 0.03 vol% Surfactant	<10 % HF aq								30									X			X
6D228	Heat Treat	28.11.0 - 02.101	1	LTO/HF Fill	HF (49%)	49% HF aq					10												X		X	X
6D228	Heat Treat	28.13.0 - 01.101	1	Semitool Equinox	HF (49%)	49% HF aq					4.2												X		X	X
						TOTALS	0	4	0	0	112	0	0	90												
						ALLOWABLE	20000	2000	2600	10000	1000	2600	2000	200												
						AGGREGATE	0	206	0																	
H OCCUPANCIES																										
TCS ROOM (H2)																										
6C101	TCS	29.03.1	1	TCS	Trichlorosilane	Trichlorosilane					600							1A			2	2	X			
GASSES ROOM (H2/H7)																										
6C102	TCS	29.03.2	18	TCS Saturators	Trichlorosilane	Trichlorosilane/ H_2					270							1A			2	2	X			
6C102	Gas Cabinets	29.03.3	8	Diborane	50-100 ppm B_2H_6/ balance H_2	50-100 ppm B_2H_6/ balance H_2						1670						X								
6C102	Gas Cabinets	29.03.3	8	Phosphine	50-100 ppm PH_3/ balance H_2	50-100 ppm PH_3/ balance H_2						1670						X								
6C102	Gas Cabinets	29.03.3	16	Hydrogen Chloride	HCl	HCl anhydrous						11000											X			
ACID ETCH (H3)																										
6B105	Pre-Clean	27.21.	1	Bath2, KOH Clean	DIW/ 0.83 gal Q9/ 2.85 kg KOH	5% KOH aq								15									X			X
6B105	Pre-Clean	27.21.	1	Bath3, Rinse	DIW/ 0.83 gal Q9	1% Alkylbenzol sulfonate/ Tetrasodium pyrophosphate aq								15	X											
6B105	Pre-Clean	27.21.	1	Bath5, KOH Etch	DIW/ 57 kg KOH	50% KOH aq								15								1	X			
6B105	Pre-Clean	27.21.	1	Bath7, HF	5 vol% HF (49%)/ .03 vol% 9N9	<10% HF aq								15									X			X
6B105	Pre-Clean	27.21.	1	Bath9, SC1	1 vol% TMAH (25%)/ 1 vol% H_2O_2 (30%)	<0.3% Tetramethyl ammonium hydroxide aq								15	X											
6B105	Pre-Clean	27.21.	1	HF Dosing Supply	HF (49%)	49% HF aq					7.9												X		X	X
6B105	Pre-Clean	27.21.	1	H_2O_2 Dosing Supply	H_2O_2 (30%)	30% H_2O_2 aq					7.9								2				X			
6B110	Pre-Clean	27.21.	1	KOH Mixing Supply	72.2 kg KOH	50% KOH aq					19											1	X			
6B110	Acid Etch	27.23.	1	Mixing Tank	198 l HNO_3 (70%)/ 9.9 l HF (49%)/ 1.6 l Stepanol	<70% HNO_3 aq/ <10% HF aq		55											2				X			X
6B110	Acid Etch	27.23.	1	LFE Bath	198 l HNO_3 (70%)/ 9.9 l HF (49%)/ 1.6 l Stepanol	<70% HNO_3 aq/ <10% HF aq					55								2				X			X
6B110	Acid Etch	27.23.	1	HF Daytank	HF (49%)	49% HF aq					36												X		X	X
6B110	Acid Etch	27.23.	1	HF Bath	20.1 l HF (49%)/ 80.9 l DIW	>10% HF aq								24									X		X	X
6B110	Acid Etch	27.23.	1	HNO_3 Daytank	HNO_3 (70%)	70% HNO_3 aq					36								2				X			

Greyed Cells are the revisions that need verified

SCOEPA00051931

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

							STORAGE			USE-CLOSED			USE-OPEN					HAZARD CLASSIFICATION									
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																										
6B110	Acid Etch	27.23.	1	Combi Etch HNO_3 Daytank(Future)	HNO_3 (70%)	70% HNO_3 aq					36								2				X			
6B110	Acid Etch	27.23.	1	HF Subdosing	HF (49%)	49% HF aq					0.25												X		X	X
6B110	Acid Etch	27.23.	1	HNO_3 Subdosing	HNO_3 (70%)	70% HNO_3 aq					0.25								2				X			
6B110	Combi Etch	27.25.	1	Degas tank	180 l HNO_3 (70%)/ 8.1 l HF (49%)/ 4.5 l Surfactant	<70% HNO_3 aq/ <10% HF aq					55								2				X			X
6B110	Combi Etch	27.25.	1	Bath 11, HF	10 vol% HF (49%)/ O_3	<10 % HF aq					20												X			X
6B110	Combi Etch	27.25.	1	Bath 13, LFE	100.3 l HNO_3 (70%)/ 21 l HF (49%) / 0.9 l Stepanol	<70% HNO_3 aq/ <10% HF aq					25								2				X			X
6B110	Combi Etch	27.25.	1	Bath 14, LFE	100.3 l HNO_3 (70%)/ 21 l HF (49%) / 0.9 l Stepanol	<70% HNO_3 aq/ <10% HF aq					25								2				X			X
6B110	Combi Etch	27.25.	1	Bath 15, HF	10 vol% HF (49%)/ O_3	<10 % HF aq					20												X			X
6B110	Combi Etch	27.25.	1	HF Subdosing	HF (49%)	49% HF aq					0.25												X		X	X
6B110	Combi Etch	27.25.	1	HNO_3 Subdosing	HNO_3 (70%)	70% HNO_3 aq					0.25								2				X			
OXIDIZERS ROOM (H3)																										
6C109	Oxidizers Room	22.08.0	1	H_2O_2 Container	Hydrogen Peroxide	30% H_2O_2 aq					330								2				X			
6C109	Oxidizers Room	22.08.0	1	H_2O_2 Daytank	Hydrogen Peroxide	30% H_2O_2 aq					100								2				X			
SOLVENTS ROOM (H3)																										
6C105	HPM Storage		2	Solvent Storage	Solvents	IPA					110							1B						X		
6C105	Solvent Delivery	27.11.1	1	Delivery System to Preclean & Tab Removal	Castrol AS-58	Solvent		270			200					3A										
6C105	Solvent Waste	27.11.1	1	Delivery System to Preclean & Tab Removal	Waste 50% Castrol AS-58 and water	Solvent and water		285								3A										
ACIDS ROOM (H7)																										
6C104	Acids Room	22.07.0	1	HF Container	Hydrofluoric acid	49% HF aq		330															X		X	X
6C104	Acids Room	22.07.0	1	HF Daytank	Hydrofluoric acid	49% HF aq					100												X		X	X
6C104	Acids Room	22.10.0	1	HCl Container	Hydrochloric acid	37% HCl aq		330															X			
6C104	Acids Room	22.10.0	1	HCl Daytank	Hydrochloric acid	37% HCl aq					100												X			
BASES ROOM (H7)																										
6C106	Bases Room		1	TMAH Container	TMAH	25% Tetramethyl ammonium hydroxide aq		330															X			
6C106	Bases Room		1	TMAH Daytank	TMAH	25% Tetramethyl ammonium hydroxide aq					100												X			

Greyed Cells are the revisions that need verified

SCOEPA00051932

CHEMICAL QUANTITIES

Subfab and Fab - April, 96

Revised: 4/25/96

							STORAGE			USE-CLOSED			USE-OPEN						HAZARD CLASSIFICATION									
ROOM	AREA	EQUIP NO.	No of Units	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	NONHAZARDOUS	COMBUSTIBLE	CRYOGENIC	FLAMMABLE	OXIDIZER	PYROPHORIC	UNSTABLE	WATER REACTIVE	CORROSIVE	IRRITANT	TOXIC	OTHER HEALTH
B-2 OCCUPANCY																											
6C106	Bases Room	27.11.0	1	Q9 Container	Q9	19% Alkylbenzol sulfonate/ 13% Tetrasodium pyrophosphate		330																X			
6C106	Bases Room	27.11.0	1	Q9 Daytank	Q9	19% Alkylbenzol sulfonate/ 13% Tetrasodium pyrophosphate					100													X			
6C106	Bases Room	22.12.0	1	9N9 Container	9N9	100% Alkylphenol Ethoxylate		330							X												
6C106	Bases Room	22.12.0	1	9N9 Daytank	9N9	100% Alkylphenol Ethoxylate					100				X												
CHEMICALS ROOM H3																											
6C107	Chemicals Room		1	Caustic Container	25 % NaOH	25% Sodium Hydroxide aq					55												X			
6C107	Chemicals Room		1	Caustic Container	15 % NaOH	25% Sodium Hydroxide aq					55												X			
6C107	Chemicals Room		10	KOH Pellet Bags Storage	100% KOH Pellets, solid	100% Potassium Hydroxide Pellets	220															1	X		X	

Greyed Cells are the revisions that need verified

SCOEPA00051933

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- Fax Cover Sheet -

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Subject:	C.Y. 1995 purchases

VOICE MAIL X6245 #

Tom, here's the report on 1995 purchases. If you have any questions, please call me.

We are the first choice.
We anticipate and provide the best in customer-valued distribution services.

Query IWOG001F

Query Date 1/29/96

Query Time 10:34 AM

JMUE

VAN WATERS & ROGERS, INC.

CUSTOMER PERFORMANCE BY PRODUCT

For Date Range 199501 to 199512

Report Date: 1/29/96

Report Time: 10:35 AM

Sales District 8NW2

Sales Rep PAT MERNAUGH PXM

Ship To	WACKER SILTRONIC CORP	7200 NW FRONT ST	PORTLAND	OREGON	[illegible]
Bill To	WACKER SILTRONIC CORP	PO BOX [illegible]	PORTLAND	OREGON	[illegible]
Customer No.	[illegible]	SIC Number: [illegible]	Credit Limit:	[illegible]	

**Product Name	Prod #	Bill UOM	Grade	Form	Pkg	Product Qty	Sales $	GM Dollars	GM %
ACETONE VWR LBL	193920	358 LB DR	MICROP...	LIQ	NUSTEEL	10.00	2,477.38	377.24	15.23
ALUMINUM SULFATE 48%	200191	575 LB DR	****	SOLN	POLY DR	102.00	7,214.00	2,729.12	37.83
AMMONIUM HYDROXIDE	606211	375 LB DR	MICROP...	****	MFGPOLY	193.00	43,787.04	8,376.60	19.13
BLEND SODIUM SULFIDE 10%	630701	1 LB LB	****	LIQ	BULK	48,280.00	7,386.84	3,670.95	49.70
CALCIUM CHLORIDE 77-80%	607619	50 LB BG	****	FLK	BAG	75.00	843.75	303.37	35.95
CALCIUM HYDROXIDE LIME	500815	50 LB BG	****	****	BAG	5,315.00	26,580.00	3,510.91	13.21
CAUSTIC SODA 25%	600364	1 LB LB	TECH	LIQ	BULK	711,580.00	50,224.78	14,645.56	29.16
CAUSTIC SODA 50% Drum wt or Density?	239280	12.17 P/G 52 GL DR	RAYON ...	LIQ	POLY DR	245.00	31,977.40	10,338.41	32.33
CAUSTIC SODA 50%	239370	680 LB DR	RAYON ...	LIQ	POLY DR	-1.00	-1,706.80	-1,618.13	94.80
CAUSTIC SODA PELS	239870	50 LB BG	TECH	BEADS	BAG	290.00	6,235.00	1,591.25	25.52
CITRIC ACID ANHYD 0701205	501035	50 LB BG	USP FCC	FNGR	BAG	320.00	15,040.00	1,938.40	12.89
COMMON CARRIER FREIGHT	268160	1 EA EA	****	****	****	-1.00	190.37	190.37	100.00
CRUCIBLES 4354203J	640728	1 PA PA	****	****	PALLET	11.00	198.00	198.00	100.00
CRUCIBLES 4354204J	640759	1 PA PA	****	****	PALLET	21.00	378.00	378.00	100.00
CRUCIBLES 4354207F	640758	1 PA PA	****	****	PALLET	2.00	36.00	36.00	100.00
CRUCIBLES 4354209F	640756	1 PA PA	****	****	PALLET	5.00	90.00	90.00	100.00
CRUCIBLES 4354209J	640757	1 PA PA	****	****	PALLET	11.00	198.00	198.00	100.00
DIPROPYLENE GLYCOL	252951	8.5 P/G 470 LB DR	****	****	STL DR...	18.00	7,732.44	1,686.89	21.82
DIRECT FREIGHT (GM)	120630	1 EA EA	****	****	****	1.00	166.51	166.51	100.00
DOWFROST	255421	8.75 P/G 55 GL DR	****	****	STL DR...	4.00	1,782.00	318.69	17.88
ETHYLENE GLYCOL	263391	515 LB DR	****	****	NUSTEEL	18.00	4,758.69	639.62	13.44
HYDROFLUORIC ACID	634304	1 LB LB	MICROP...	LIQ	BULK	160,000.00	104,000.00	4,000.00	3.85
HYDROFLUORIC ACID 49%	281100	500 LB DR	MICROP...	LIQ	MFGPOLY	85.00	38,250.00	3,030.85	7.92
HYDROFLUORIC ACID AR/ACS	606090	10.4 P/G 40 LB CS	MICROP...	LIQ	CASE	5.00	217.00	53.30	24.56
HYDROGEN PEROXIDE 30%	615506	37 LB CS	MICROP...	****	CASE	288.00	10,549.44	2,985.42	28.30

SCOEPA00051935

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VAN WATERS & ROGERS, INC.

CUSTOMER PERFORMANCE BY PRODUCT

For Date Range 199501 to 199512

Report Date: 1/29/96
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HYDROGEN PEROXIDE 30%	620437	500	LB	DR	MICROP...	****	MFGPOLY	404.00	179,639.60	41,696.75	23.30
ISOPROPYL ALCOHOL	604102	362	LB	DR	MICROP...	LIQ	POLY DR	94.00	20,865.68	6,791.60	32.55
LUDOX COLLOIDAL SILICA	292160	625	LB	DR	****	LIQ	MFGPOLY	436.00	245,250.00	41,819.13	17.05
LUTENSOL AP 10	634282	53	GL	DR	****	LIQ	P-L STL	58.00	105.00	105.00	100.00
NITRIC ACID CLASS 10	620615	1	LB	LB	MICROP...	LIQ	BULK	842,720.00	393,550.24	64,889.44	16.49
NITRIC ACID CLASS 10	622846	575	LB	DR	MICROP...	LIQ	S S DR	24.00	16,836.00	2,118.01	12.58
OIL SORBENT 156 SHEETS	313570	1	B	BD	****	****	BUNDLE	12.00	860.40	338.34	39.32
POLYGLYCOL E-300	323610	515	LB	DR	****	****	STL DR...	0.00	0.00	-47.94	!DIV/0
POLYSILICON 4000022A	640743	1	PA	PA	****	****	PALLET	4.00	72.00	72.00	100.00
POLYSILICON 4000033A	640727	1	PA	PA	****	****	PALLET	14.00	252.00	252.00	100.00
POLYSILICON 4000044	640744	1	PA	PA	****	****	PALLET	27.00	486.00	486.00	100.00
POLYSILICON 4000044A	640745	1	PA	PA	****	****	PALLET	141.00	2,538.00	2,538.00	100.00
POLYSILICON 4000055A	640749	1	PA	PA	****	****	PALLET	31.00	558.00	558.00	100.00
POLYSILICON 4999944D	640752	1	PA	PA	****	****	PALLET	54.00	972.00	972.00	100.00
POLYSILICON ROD 4000000A	640753	1	PA	PA	****	****	PALLET	26.00	468.00	468.00	100.00
POLYSILICON ROD 4000001A	640754	1	PA	PA	****	****	PALLET	19.00	342.00	342.00	100.00
POLYSILICON ROD 4000002A	640755	1	PA	PA	****	****	PALLET	37.00	666.00	666.00	100.00
POTASSIUM CARBONATE	631310	112		DR	REAGENT	GRAN	FIBER DR	635.00	600,513.15	145,132.70	24.17
POTASSIUM CARBONATE LO ...	641794	112		DR	REAGENT	GRAN	FIBER DR	36.00	40,152.79	8,656.57	21.56
POTASSIUM HYDROXIDE	327210	110	LB	DR	AR ACS	PELL	FIBER DR	2,424.00	527,947.20	88,035.44	16.68
PROPYLENE GLYCOL	330190	480	LB	DR	TECH	****	STL DR...	2.00	787.20	188.98	24.01
Q 9 LABORATORY CLEANERS	634283	53	GL	DR	****	LIQ	POLY DR	162.00	195.00	195.00	100.00
RODEL LS10	636560	450	LB	DR	TECH	LIQ	MFGPOLY	290.00	394,980.00	31,466.81	7.97
SILICONE ANTIFOAM SAG 710	339810	470	LB	DR	FCC	****	MFGPOLY	72.00	47,037.60	8,750.20	18.60
SODIUM BISULFITE ANHYD	345110	50	LB	BG	FCC	CRYST	BAG	18.00	343.50	128.77	37.49
SODIUM BISULFITE ANHYD NF	502779	50	LB	BG	FCC	****	BAG	16.00	305.50	135.76	44.44
SODIUM HYPOCHLORITE 12.5%	607105	1	C	CS	TECH	LIQ	CASE	47.00	822.50	459.05	55.81
SODIUM HYPOCHLORITE 12.5%	639944	1	C	CS	TECH	LIQ	CASE	29.00	542.50	285.35	52.60
STEPANOL AM	358800	450	LB	DR	****	****	FIBER DR	5.00	1,800.00	612.04	34.00
SULFURIC ACID 66 BE	361330	750	LB	DR	TECH	LIQ	POLY DR	3.00	455.25	308.46	67.76
SULFURIC ACID 66 BE	600231	1	LB	LB	TECH	LIQ	BULK	212,300.00	13,714.58	3,284.71	23.95

SCOEPA00051936

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For Date Range 199501 to 199512

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SULFURIC ACID MP	361870	750 LB	DR	MICROP...	LIQ	POLY DR	2.00	780.00	219.67	28.16
TRIETHYLENE GLYCOL	370951	520 LB	DR	****	****	STL DR...	3.00	1,006.20	304.20	30.23
VACUUM BAGS 5716704	640729	1 PA	PA	****	****	PALLET	2.00	36.00	36.00	100.00
VACUUM BAGS 5716709	640761	1 PA	PA	****	****	PALLET	1.00	18.00	18.00	100.00
VACUUM BAGS 5716712	640762	1 PA	PA	****	****	PALLET	2.00	36.00	36.00	100.00
VACUUM BAGS 5716717	640764	1 PA	PA	****	****	PALLET	1.00	18.00	18.00	100.00
VANWET 9N9	378790	480 LB	DR	****	****	NR POLY	50.00	18,960.00	3,426.08	18.08
VANZOL V-1 200 PROOF	379580	55 GL	DR	ELECTRN	****	NUSTEEL	16.00	3,514.50	462.02	13.15
						Customer Totals:	1,967,096.00	2,876,232.21	516,283.27	17.95
						Sales Rep Totals:	1,967,096.00	2,876,232.21	516,283.27	17.95
						Sales DistrictTotals:	1,967,096.00	2,876,232.21	516,283.27	17.95
						Report Totals:	1,967,096.00	2,876,232.21	516,283.27	17.95

SCOEPA00051937

BOC Electronic Gases

Fax Cover Page

To: Tom McCue	**From : Dave Bruns**
Fax Number : 241-7599	**Company : BOC Electronic Gases**
Date : 1/16/96 **Time : 11:35:08**	**For Information Call: (503) 640-0860**
Subject : Wacker Special Gases Usage FY95	**Fax Number : (503) 640-1481**

Tom:

A spreadsheet follows which shows Wacker usage of all gases supplied by BOC for FY 95.

Please call if I can be of any more assistance.

Dave Bruns
Key Account Manager, BOC Gases

Office: 640-0860
Fax: 640-1481
Pager: 1-800-301-4306

Created using WinFax PRO 3.0 Delrina Technology Inc.

BOC Gases
1/16/96
Prepared for Tom McCue, Wacker Siltronic

Wacker Siltronic
Special Gases Usage
FY 95

Product	Size	Vol	FY 95 Units
Argon Gr 5.0	300	336	121
Helium Gr 4.7	300	291	1
He Gr 6	300	291	43
N2 Gr 5	300	304	105
N2 Gr 5	200	230	298
O2 VLSI Gr 4.4	300	337	14
Air Gr 2.0 (<2 ppm THC)	200		0
HCl VLSI Gr 5.0	204	60 lb	1,164
Silane Semi Gr 3.0	204	10K gm	17
TCS Elec Gr 2.5	L600	550 lb	116
VLSI DiB/H2 mixes	152	121 cf	62
VLSI PH3/H2 mixes	152	120 cf	104
VLSI Arsine/H2 mixes	152	120 cf	0

DAVE BRUNS BOC GASES 5036401481 01-16-96 10:55AM [59] #2

SCOEPA00051939

PRAXAIR

Praxair, Inc.
2907 N.E. 166th Way
Ridgefield, WA 98642
Tel (360) 573-8569
Fax (360) 573-8712

1/19/96

Mr. Tom McCue
Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283

Dear Mr. McCue,

Here is the summary of the Nitrogen, Argon, and Hydrogen volumes used by Wacker in 1995 that you have requested.

Argon: PX# 0251878.....10, 738,754 cu.ft.

Hydrogen: PX# 8505403.....54,515,056 cu.ft.

Nitrogen (from "west" N2 tank)....55,705,424 cu.ft.

Nitrogen (from Epi N2 tank).....43,870,240 cu.ft.

If there is any other information I can provide you, please don't hesitate to call.

Sincerely,
Praxair, Inc.

Richard Green
Electronics Acct. Mgr.

SCOEPA00051940

ASH GROVE CEMENT COMPANY

WESTERN REGION
6720 S.W. MACADAM AVE., SUITE 300
PORTLAND, OREGON 97219-2312
(503) 293-2333

January 26, 1996

Wacker Siltronic
Attn: Tom McCue

The following numbers are Kemilime product you purchased in 1995. Please call with any questions.

January	0	July	25
February	0	August	24
March	0	September	24
April	0	October	20
May	0	November	20
June	37	December	33

Sincerely,

ASH GROVE CEMENT COMPANY

Darlene Carpenter

Darlene Carpenter
Administrative Asst. - Sales

BOC Electronic Gases

Fax Cover Page

To: Tom McCue		**From : Dave Bruns**
Fax Number : 241-7599		**Company : BOC Electronic Gases**
Date : 1/16/96	**Time : 11:35:08**	**For Information Call: (503) 640-0860**
Subject : Wacker Special Gases Usage FY95		**Fax Number : (503) 640-1481**

Tom:

A spreadsheet follows which shows Wacker usage of all gases supplied by BOC for FY 95.

Please call if I can be of any more assistance.

Dave Bruns
Key Account Manager, BOC Gases

Office: 640-0860
Fax: 640-1481
Pager: 1-800-301-4306

JOHN CUNNINGHAM
360 253 7725

WIN 3.0 Delrina Technology Inc.

BOC Gases
1/16/96
Prepared for Tom McCue, Wacker Siltronic

Wacker Siltronic
Special Gases Usage
FY 95

	Product	Size	Vol	FY 95 Units
	Argon Gr 5.0	300	336	121
	Helium Gr 4.7	300	291	1
	He Gr 6	300	291	43
	N2 Gr 5	300	304	105
	N2 Gr 5	200	230	298
	O2 VLSI Gr 4.4	300	337	14
	Air Gr 2.0 (<2 ppm THC)	200		0
	HCl VLSI Gr 5.0	204	80 lb	1,164
x	Silane Semi Gr 3.0	204	10K gm	17
	TCS Elec Gr 2.5	L600	550 lb	116
x	VLSI DiB/H2 mixes	152	121 cf	62
x	VLSI PH3/H2 mixes	152	120 cf	104
x	VLSI Arsine/H2 mixes	152	120 cf	0

DAVE BRUNS BOC GASES 5036401481 01-16-96 10:55AM [59] #2

Arco

WACKER CY94 USAGES

PRODUCT	SIZE	CYLS	ANNUAL VOLUME	UNITS	
Argon Ultrapure	300	114	38304	CF	336
Helium Grade 5	6	1	6	CF	6
Helium Grade 5	2	1	2	CF	2
Helium Grade 6	300	37	10767	CF	291
Helium in Nitrogen	300	1	278	CF	278
Nitrogen Ultrapure	200	239	54970	CF	230
Nitrogen Ultrapure	300	3	912	CF	304
Air Zero Grade 2.0	200	5	1150	CF	230
Oxygen Ultrapure	300	17	5729	CF	337
Nitric Oxide in Nitrogen	152	7	980	CF	140
Hydrogen Chloride VLSI	204	1032	61920	LBS	
Silane Semiconductor	208	17	170000	GMS	
Trichlorosilane Electronic	55	103	56650	LBS	
Diborane in Hydrogen	152	67	8710	CF	130
Phosphine in Hydrogen	152	84	10080	CF	120

Not on 94Test file

Wacker Siltronic Corporation

WACKER

TO: H. Walitzki, Andy Pihl

FROM: Chip Bloomer ext 132

cc: Albrecht Mozer, Tom McCue, Roland Kirch, John Pittman

SUBJECT: Preliminary Limits Chemicals in FAB2

DATE: February 27, 1995

The building code requirements for FAB2 require some restrictions on the amount of chemicals that can be stored and used. These restrictions apply only to B2 occupancy areas.

B2 occupancy - Slurry mix area, slicing, lapping, polishing, final clean, EPI
H occupancy - ~~Etch~~ Acid etch, and bulk chemical storage (No Limits)
Gas Cabinets

The main restrictions will be on flammable materials (ie alcohols and cleaning solvents) and KOH pellets. A summary of these restrictions as known today is provided below:

Flammable materials (not stored in the flammable storage area):

Isopropyl alcohol, ethyl alcohol(Vanzol), Acetone 90-100% solutions.
(Flash point below 73f and boiling point above 100f)
The total allowable quantity for all B2 areas in use and storage is 120 gallons.

Isopropyl alcohol, ethyl alcohol(Vanzol), Acetone 50-90% solutions.
(Flash point between 73f and 100f)
The total allowable quantity for all B2 areas in use and storage is 120 gallons.

Isopropyl alcohol, ethyl alcohol(Vanzol), Acetone 25-50% solutions and petroleum based cleaning solvents (mineral spirits, stoddard solvent).
(Flash point between 100f and 140f)
The total allowable quantity for all B2 areas in use and storage is 240 gallons.

Isopropyl alcohol 10-25% solution
(Flash point between 140f and 200f)
The total quantity for all B2 areas in use and storage is internally set at 100 gallons, because of other hazardous properties. This number can be increased if necessary.

Machine oils are not limited if the flash points are over 200f and they are not classified as irritants.

KOH Solid pellets used in the preparation of KOH baths.
The total allowable quantity for all B2 areas in use and storage is 1000lbs(454KG) because of toxicity.

H_2 oxidizers

Chapter 9

H_2 - Division 2 material

H_3 Division 3/B

H_7-9B other Health Hazard

IDC **Fax Transmittal**

To: CHIP BLOOMER

From: CATHEYN YOUNG Office: PDX

Date: 2/27/95 Project/Task Number: FAB 2 (CFB)

Number of Pages Sending, Including This Page: 2

Fax Number Sending To: 241-7599

Message: MATERIALS HAZARD ANALYSIS FOR THE CENTRAL FACILITIES BUILDING. NOTE THAT CREATING AN H OCCUPANCY FOR THE EMERGENCY GENERATOR(S) SOLVES BOTH IRRITANT & COMBUSTIBLE PROBLEMS IN B-2.

cy

IDC (ABQ) Albuquerque Fax (505) 856-3900 Phone (505) 821-7115	IDC (AUS) Austin Fax (512) 346-5169 Phone (512) 345-8555	IDC (FL) Tallahassee Fax (904) 656-3032 Phone (904) 656-5600	IDC (PHX) Phoenix Fax (602) 829-0696 Phone (602) 829-8839
IDC (PIH) Pocatello Fax (208) 233-0236 Phone (208) 233-9800	IDC (PDX) Portland Fax (503) 223-1494 Phone (503) 224-6040	IDC (PGH) Pittsburgh Fax (412) 269-4525 Phone (412) 269-4330	IDC (SJC) San Jose Fax (408) 437-8920 Phone (408) 437-1358

WACKER CENTRAL FACILITIES BUILDING MATERIALS

EQUIP NO.	TOOL DESCRIPTION	MATERIAL	COMPONENT(S)	STORAGE			USE-CLOSED			USE-OPEN	
				SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)	GAS (cu ft)	SOLID (lb)	LIQUID (gal)
NONHAZARDOUS											
T-130-1-1	UPW Pretreatment	Polymeric coagulant						150			
IRRITANT											
T-130-3-1	UPW Pretreatment	20%Sodium bisulphite	20%Sodium bisulphite					150			
T-130-7-2		20% Sodium hydroxide	20% NaOH					500			
	Cooling Water Treatment	Dearborn 545	<12% Morpholine aq		360						
	Emergency Generator	Diesel Fuel	Diesel Fuel					2000			
			TOTAL	0	360	0	0	2650	0	0	0
			ALLOWABLE	15000	1500	1620	10000	1000	810	2000	200
CORROSIVE											
T-130-2-1	UPW Pretreatment	20% Sodium hydroxide	20% NaOH					150			
T-130-7-1	UPW Pretreatment	35% Hydrochloric acid	35% Hydrochloric acid					500			
	RO Cleaning	20% Sodium hydroxide	20% NaOH					55			
	RO Cleaning	35% Hydrochloric acid	35% Hydrochloric acid					55			
	Boiler Treatment	Dearborn 154	<10% NaOH/ <5% Diethylaminoethanol		360						
			TOTAL	0	360	0	0	760	0	0	0
			ALLOWABLE	15000	1500	1620	10000	1000	810	2000	200
COMBUSTIBLE LIQUID CLASS 2											
	Emergency Generator	Diesel Fuel	Diesel Fuel					2000			
			TOTAL								
			ALLOWABLE	NA	360	NA	NA	240	NA	NA	60

SCOEPA00051949

Num	Material	Health1	Physical1
1030	Acetone		I-A Flammable Liquid
1010	Acid Acetic		Water reactive cls1
1010	Acid Acetic	Corrosive	I-A Flammable Liquid
	Acid Amino	Corrosive	
1890	Acid Chromic	Corrosive	
1890	Acid Chromic	Toxic	
1890*	Acid Chromic	Corrosive	
1890*	Acid Chromic	Toxic	
1910	Acid Citric	Corrosive	
1930	Acid Citric	Corrosive	
1940L	Acid Citric	Corrosive	
1910	Acid Citric Hach	Corrosive	
2990	Acid Hydrochloric	Corrosive	
2998*	Acid Hydrochloric	Corrosive	
3002*	Acid Hydrochloric	Corrosive	
3014	Acid Hydroflouric	Corrosive	
3018	Acid Hydrofluoric	Corrosive	
100	Acid Mix	Corrosive	Oxidizer Class 2
3970	Acid Nitric	Corrosive	Oxidizer Class 2
1	Acid Phosphoric	Corrosive	
6090	Acid Sulfuric	Corrosive	Water reactive cls2
6410	Adhesive	Corrosive	
HW1a	Alcohol		I-A Flammable Liquid
1690	Alcohol (Butyl)	Toxic	I-A Flammable Liquid
2470	Alcohol (Ethanol)		I-A Flammable Liquid
3262	Alcohol (Isopropyl)		I-A Flammable Liquid
3262	Alcohol (Isopropyl) 10%		I-A Flammable Liquid
3262	Alcohol (Isopropyl) 10%		I-A Flammable Liquid
3262	Alcohol (Isopropyl) 50%		I-A Flammable Liquid
3670	Alcohol Methanol		I-A Flammable Liquid
1690	Alcohol N-Butyl	Toxic	I-A Flammable Liquid
1210	Aluminum Etchant 16:1:1:2 SEMI	Corrosive	
3930	Ammonia	Corrosive	
1290	Ammonium Hydroxide	Corrosive	
1370	Antimony	Toxic	
1650	Buffer pH 12	Corrosive	
1650*	Buffer pH 12	Corrosive	
1650*	Buffer solution	Corrosive	
1750	Calcium Chloride	Corrosive	
1850	Caustik Soda	Corrosive	Water reactive cls1
6310	Caviclean #2	Corrosive	
1890	Chromium trioxide	Corrosive	Oxidizer Class 2
1890	Chromium trioxide	Toxic	
1710*	Cleaner		I-A Flammable Liquid
6710	Cleaner		I-A Flammable Liquid

Num	Material	Health1	Physical1
	Cleaning Solvent (KOH)	Corrosive	
	Cleaning Solvent (KOH)	Toxic	
3710	Developer	Corrosive	
2110	Dye Crystal violet	Toxic	
2490	Ethylene Glycol	Toxic	
	Glanzox	Corrosive	
	Glanzox FGL 3900-10	Corrosive	
3100	Hydrogen Peroxide	Corrosive	Oxidizer Class 2
3110	Hydrogen Peroxide	Corrosive	Oxidizer Class 2
3850	Lubricant		I-A Flammable Liquid
3890	Neoprene		I-A Flammable Liquid
	Oil		Combustable
4170	Oil		Combustable
6350*	Oil		Combustable
3210*	Paint Thinner		I-A Flammable Liquid
4550	Parker O-LUBE		I-A Flammable Liquid
4660L	Polishing Slurry, Syton	Corrosive	
4710	Potassium Carbonate	Corrosive	
4730	Potassium Dichromate		Oxidizer Class 1
4750	Potassium Hydroxide	Corrosive	
4750	Potassium Hydroxide	Toxic	Water reactive cls2
4770	Potassium Permanganate	Corrosive	Oxidizer Class 2
5370	SEI-102p	Corrosive	
5390	SEI-167		Combustable
5394	SEI-212	Corrosive	
5394	SEI-224	Corrosive	
5396	SEI-281	Corrosive	
1830	Sodium Hydroxide	Corrosive	
1850	Sodium Hydroxide	Corrosive	
5830	Sodium Hydroxide	Corrosive	
5830	Sodium Hydroxide Regen.	Corrosive	
5830	Sodium Hydroxide, 1.0 N	Corrosive	
5890	Sodium Sulfide	Corrosive	Flammable Solid InOr
5910	Solvent		I-A Flammable Liquid
4670	Stripper	Corrosive	
	Tetramethylammonium Hydroxide 25%	Corrosive	
	Thinner		I-A Flammable Liquid
3230	Thinner		I-A Flammable Liquid
	Turco Caviclean #2	Corrosive	
	Turpentine		I-A Flammable Liquid
	Valtron AD 1211-3	Corrosive	
	Vanzol	Corrosive	
	Wright Etch	Corrosive	
	Yang Etch	Corrosive	

7003 2260 0003 1472 9772

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Postage	$ .58
Certified Fee	2.40
Return Reciept Fee (Endorsement Required)	1.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.33

Postmark Here

034

Sent To: ATTN: TRI Magnetic Media Submission
Street, Apt. or PO Box: Tri Data Processing Center
City, State: C/O Computer Sciences Corporation
Suite 150
8400 Corporate Drive
Landover, MD 20785-2294

PS Form 3 ... ions

Certified Mail Provides:

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- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry. Internet access to delivery information is not available on mail addressed to APOs and FPOs.

SCOEPA00051953

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ATTN: TRI Magnetic Media Submission
Tri Data Processing Center
C/O Computer Sciences Corporation
Suite 150
8400 Corporate Drive
Landover, MD 20785-2294

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X GSC - TRI DATA PROCESSING OPERATIONS ☐ Agent ☐ Addressee

B. Received by (Printed Name) JUN 18 2007 C. Date of Delivery

8400 CORPORATE DRIVE
SUITE 380
NEW CARROLLTON, MD 20785

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7003 2260 0003 1472 9772

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Koreen Lail
Siltronic Corporation
7200 NW Front Avenue M/S 30
Portland, OR 97210-3676

634

Signature Certification for U.S. EPA Diskette Submission

DISK

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 12, 2007

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 150
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2006	7647-01-0	Form R
Hydrogen fluoride	2006	7664-39-3	Form R
Nitrate compounds	2006	N511	Form R
Nitric acid	2006	7697-37-2	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

SCOEPA00051956

If the enclosed diskette contains one or more Form A chemicals, then:
Pursuant to 40 CFR 372.27(a)(1), "I hereby certify that to the best of my knowledge and belief for the toxic chemical(s) listed in this statement, for this reporting year, the annual reportable amount for each chemical, as defined in 40 CFR 372.27(a)(1), did not exceed 5,000 pounds, which included no more than 2,000 pounds of total disposal or other releases to the environment, and that the chemical was manufactured, or processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year;" and/or

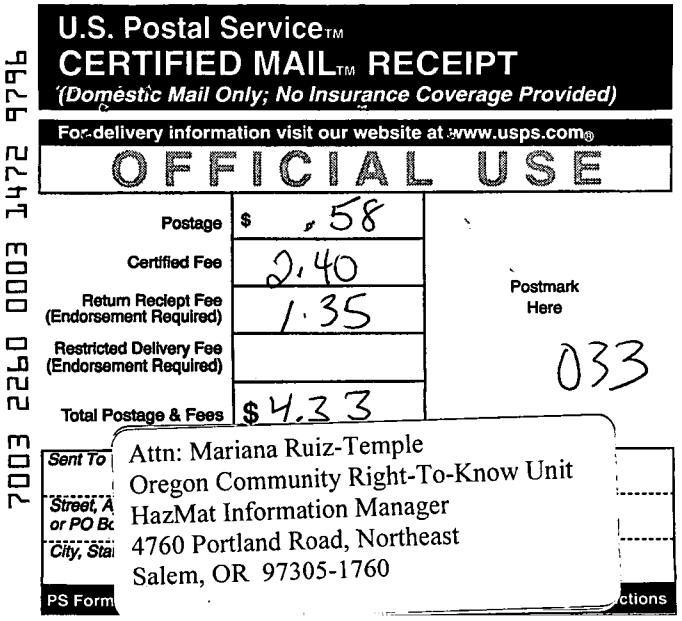
Pursuant to 40 CFR 372.27(a)(2), "I hereby certify that to the best of my knowledge and belief for the toxic chemical(s) of special concern listed in this statement, there were zero disposals or other releases to the environment (including disposals or other releases that resulted from catastrophic events) for this reporting year, the "Annual Reportable Amount of a Chemical of Special Concern" for each such chemical, as defined in 40 CFR 372.27(a)(2), did not exceed 500 pounds for this reporting year, and that the chemical was manufactured, or processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year."

Sincerely,

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00051957



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Postage	$ .58
Certified Fee	2.40
Return Reciept Fee (Endorsement Required)	1.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.33

Postmark Here

033

7003 2260 0003 1472 9796

Sent To

Attn: Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760

Street, A
or PO Bo

City, Stat

PS Form

ctions

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PS Form 3800, June 2002 (Reverse)

Important Reminders:

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- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry.
Internet access to delivery information is not available on mail addressed to APOs and FPOs.

SCOEPA00051959

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete Item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Attn: Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760

COMPLETE THIS SECTION ON DELIVERY

A. Signature
Sharon Dunn ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* SHARON DUNN

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

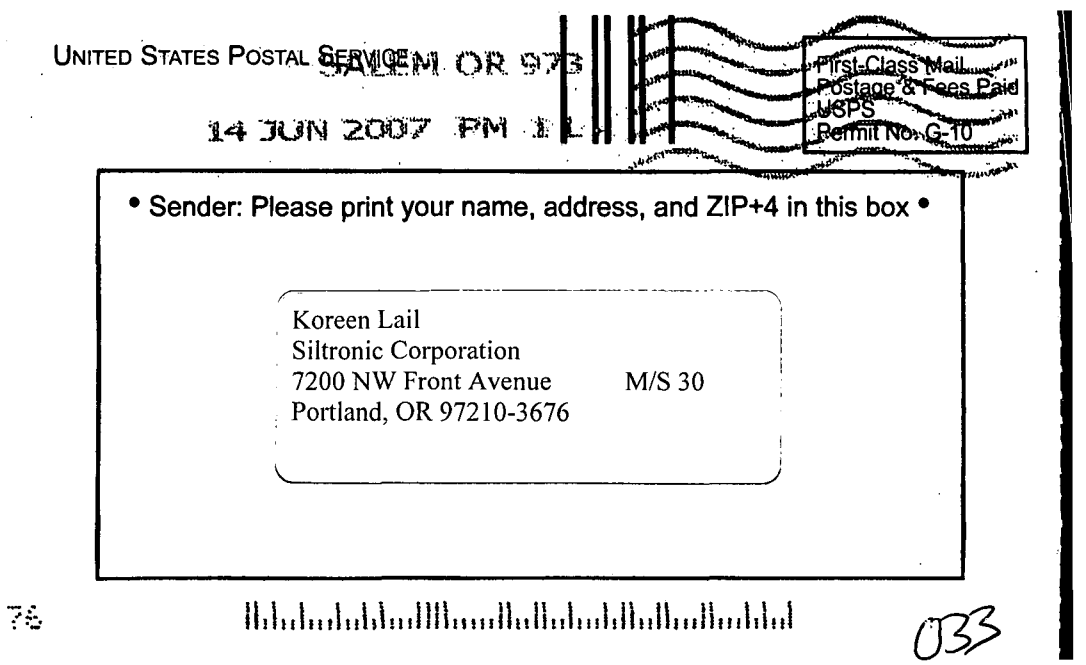
3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7003 2260 0003 1472 9796

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SCOEPA00051960


UNITED STATES POSTAL SERVICE
SALEM OR 973
14 JUN 2007 PM 1
First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10
• Sender: Please print your name, address, and ZIP+4 in this box •
Koreen Lail
Siltronic Corporation
7200 NW Front Avenue M/S 30
Portland, OR 97210-3676
033

Signature Certification for State Diskette Submission

DISK

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 12, 2007

Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760
(503) 378-1540, ext. 238
Fax: (503) 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2006	7647-01-0	Form R
Hydrogen fluoride	2006	7664-39-3	Form R
Nitrate compounds	2006	N511	Form R
Nitric acid	2006	7697-37-2	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

SCOEPA00051962

If the enclosed diskette contains one or more Form A chemicals, then:
Pursuant to 40 CFR 372.27(a)(1), "I hereby certify that to the best of my knowledge and belief for the toxic chemical(s) listed in this statement, for this reporting year, the annual reportable amount for each chemical, as defined in 40 CFR 372.27(a)(1), did not exceed 5,000 pounds, which included no more than 2,000 pounds of total disposal or other releases to the environment, and that the chemical was manufactured, or processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year;" and/or

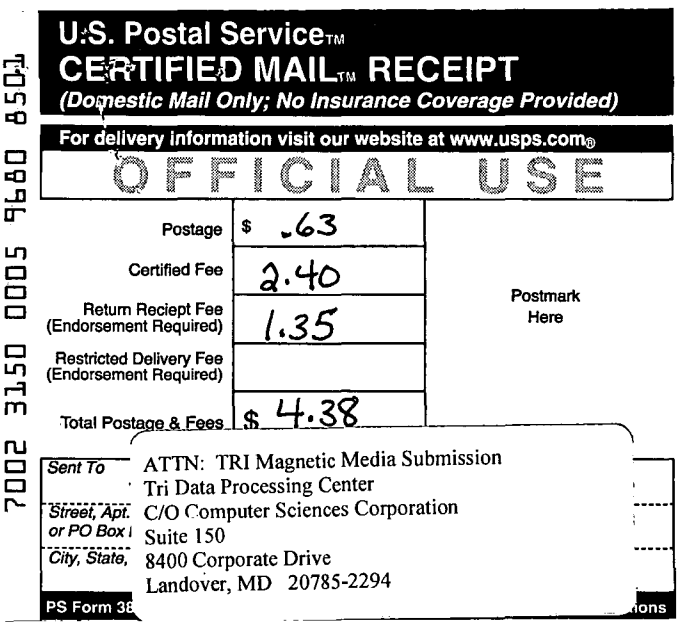
Pursuant to 40 CFR 372.27(a)(2), "I hereby certify that to the best of my knowledge and belief for the toxic chemical(s) of special concern listed in this statement, there were zero disposals or other releases to the environment (including disposals or other releases that resulted from catastrophic events) for this reporting year, the "Annual Reportable Amount of a Chemical of Special Concern" for each such chemical, as defined in 40 CFR 372.27(a)(2), did not exceed 500 pounds for this reporting year, and that the chemical was manufactured, or processed, or otherwise used in an amount not exceeding 1 million pounds during this reporting year."

Sincerely,

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00051963



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Postage	$ .63
Certified Fee	2.40
Return Reciept Fee (Endorsement Required)	1.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.38

Postmark Here

Sent To
Street, Apt. or PO Box
City, State,

ATTN: TRI Magnetic Media Submission
Tri Data Processing Center
C/O Computer Sciences Corporation
Suite 150
8400 Corporate Drive
Landover, MD 20785-2294

PS Form 38 ... ions

7002 3150 0005 9680 8501

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- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry. Internet access to delivery information is not available on mail addressed to APOs and FPOs.

PS Form 3800, June 2002 (Reverse)

SCOEPA00051965

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

ATTN: TRI Magnetic Media Submission
Tri Data Processing Center
C/O Computer Sciences Corporation
Suite 150
8400 Corporate Drive
Landover, MD 20785-2294

COMPLETE THIS SECTION ON DELIVERY

A. Signature CSC - TRI DATA OPERATIONS
8400 x CORPORATE DRIVE
SUITE 300
NEW CARROLLTON, MD 20785

☐ Agent
☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery JUN 19 2006

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

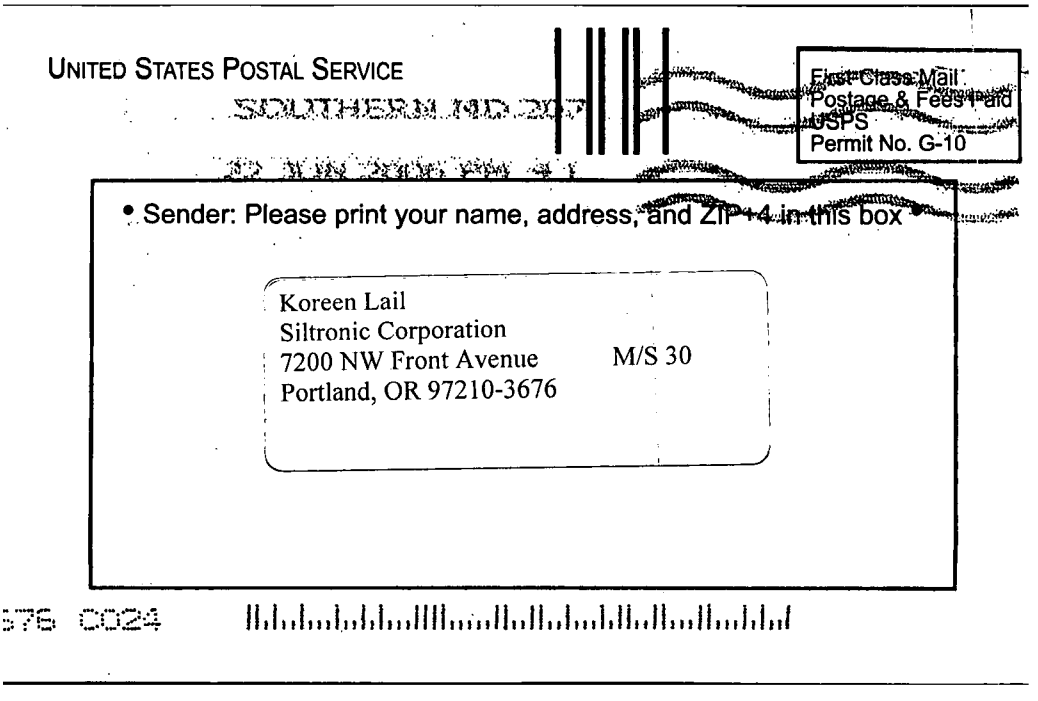
3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Transfer from service label)* 7002 3150 0005 9680 8501

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540

SCOEPA00051966


UNITED STATES POSTAL SERVICE
First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10
• Sender: Please print your name, address, and ZIP+4 in this box
Koreen Lail
Siltronic Corporation
7200 NW Front Avenue M/S 30
Portland, OR 97210-3676

Signature Certification for U.S. EPA Diskette Submission

DISK

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 15, 2006

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2005	7647-01-0	Form R
Hydrogen fluoride	2005	7664-39-3	Form R
Nitrate compounds	2005	N511	Form R
Nitric acid	2005	7697-37-2	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

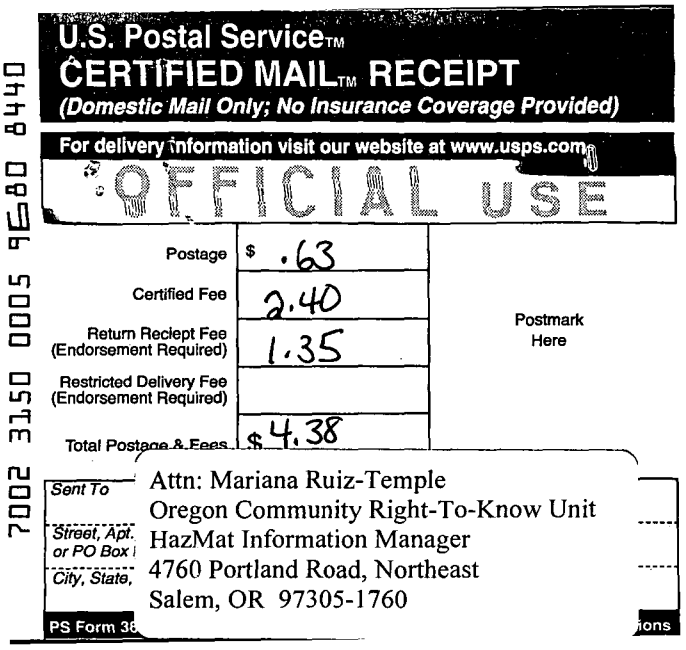
If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00051968



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Postage	$ .63
Certified Fee	2.40
Return Reciept Fee (Endorsement Required)	1.35
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.38

Postmark Here

7002 3150 0005 9580 8440

Sent To
Attn: Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
Street, Apt. or PO Box
HazMat Information Manager
4760 Portland Road, Northeast
City, State,
Salem, OR 97305-1760

PS Form 38 ...ions

SCOEPA00051969

Certified Mail Provides:

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PS Form 3800, June 2002 (Reverse)

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- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a Return Receipt may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry. Internet access to delivery information is not available on mail addressed to APOs and FPOs.

SCOEPA00051970

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Attn: Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X [signature] ☑ Agent ☐ Addressee

B. Received by (*Printed Name*) [illegible] C. Date of Delivery 6-16-06

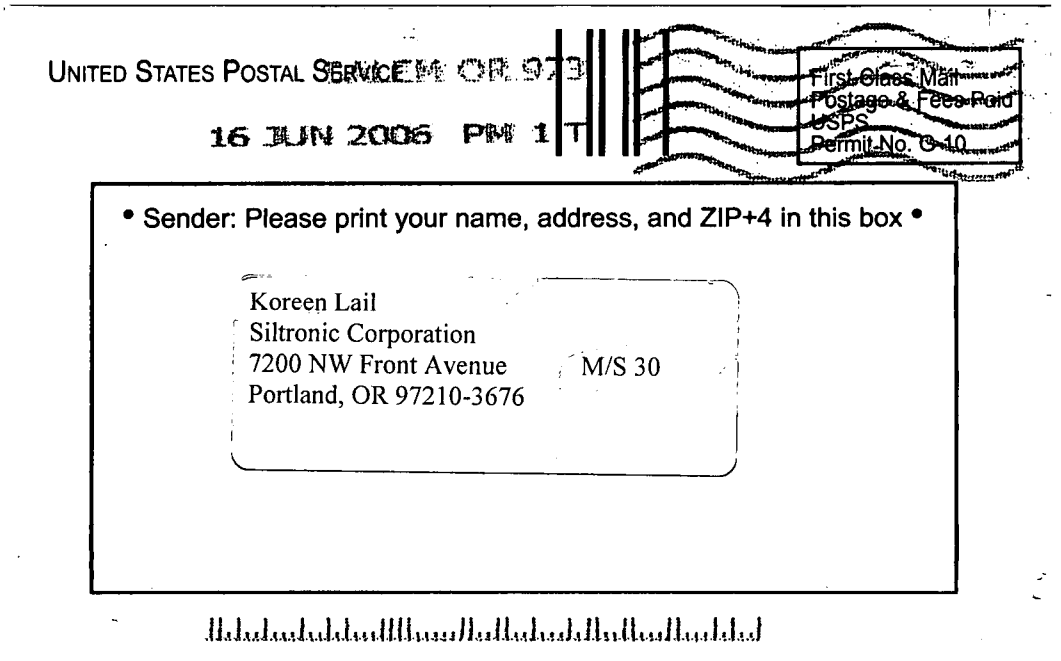
D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7002 3150 0005 9680 8440

PS Form 3811, February 2004 Domestic Return Receipt 102595-02-M-1540


UNITED STATES POSTAL SERVICE
16 JUN 2006 PM 1
First-Class Mail
Postage & Fees Paid
USPS
Permit No. G-10
• Sender: Please print your name, address, and ZIP+4 in this box •
Koreen Lail
Siltronic Corporation
7200 NW Front Avenue
M/S 30
Portland, OR 97210-3676

Signature Certification for State Diskette Submission

DISK

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 15, 2006

Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760
(503) 378-1540, ext. 238
Fax: (503) 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2005	7647-01-0	Form R
Hydrogen fluoride	2005	7664-39-3	Form R
Nitrate compounds	2005	N511	Form R
Nitric acid	2005	7697-37-2	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00051973

Signature Certification for U.S. EPA Diskette Submission

DISK

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 17, 2005

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2004	7647-01-0	Form R
Hydrogen fluoride	2004	7664-39-3	Form R
Nitrate compounds	2004	N511	Form R
Nitric acid	2004	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM.CLAXTON@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

JUNE 22, 2005

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00051974

Signature Certification for State Diskette Submission

DISK

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 17, 2005

Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760
(503) 378-1540, ext. 238
Fax: (503) 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2004	7647-01-0	Form R
Hydrogen fluoride	2004	7664-39-3	Form R
Nitrate compounds	2004	N511	Form R
Nitric acid	2004	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM.CLAXTON@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

JUNE 22, 2005

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00051975

Signature Certification for U.S. EPA Diskette Submission

DISK

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 17, 2005

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2004	7647-01-0	Form R
Hydrogen fluoride	2004	7664-39-3	Form R
Nitrate compounds	2004	N511	Form R
Nitric acid	2004	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM.CLAXTON@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00051976

EPA
United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" only)

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]
For EPA use only: [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2004

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
NEIL J. NELSON PRESIDENT		06/22/2005

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Address: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US):

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address: JIM.CLAXTON@SILTRONIC.COM	
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00051977

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 7647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Hydrochloric acid (1995 and after "Acid Aerosols" only)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [ ]																

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [X] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 [04] (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

		A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions NA [ ]	435	O	
5.2	Stack or point air emissions NA [ ]	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)			
	Stream or Water Body Name			
5.3.1	NA			
5.3.2				
5.3.3				

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 5.3 page number in this box. [ ] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051978

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B. 1	POTW Name	NA					
POTW Address							
City		State		County		Zip	
6.1.B.	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051979

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 42300	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) PAD987283207

Off-Site location Name: AIR LIQUIDE AMERICAN CORP.

Off-site Address: 19 STEEL ROAD WEST

City	State	County	Zip	Country (Non-US)
MORRISVILLE	PA	BUCKS	190673698	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 1224	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1		2					7A.2c	7A.2d	7A.2e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051980

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.): ORQ000009423

Off-Site location Name: KANTO CORPORATION

Off-site Address: 13424 N WOODRUSH WAY

City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 34	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2		3		4	7A.6c	7A.6d	7A.6e
	5		6		7		8			%	Yes [ ] No [ ]
7A.7a	7A.7b	1		2		3		4	7A.7c	7A.7d	7A.7e
	5		6		7		8			%	Yes [ ] No [ ]
7A.8a	7A.8b	1		2		3		4	7A.8c	7A.8d	7A.8e
	5		6		7		8			%	Yes [ ] No [ ]
7A.9a	7A.9b	1		2		3		4	7A.9c	7A.9d	7A.9e
	5		6		7		8			%	Yes [ ] No [ ]
7A.10a	7A.10b	1		2		3		4	7A.10c	7A.10d	7A.10e
	5		6		7		8			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]

and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051981

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	460	506	600	700
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	37700	43524	50000	60000
8.6	Quantity treated onsite	351600	390915	400000	450000
8.7	Quantity treated offsite	240	34	50	100
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)	NA			
8.9	Production ratio or activity index	1.26			

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box) Yes [ ] No [X]

*For Dioxin or Dioxin-like compounds, report in grams/year

SCOEPA00051982

EPA
United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrogen fluoride

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]
For EPA use only:

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2004

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
NEIL J. NELSON PRESIDENT		06/22/2005

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Address: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US):

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address: JIM.CLAXTON@SILTRONIC.COM	
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Minutes	Seconds	Longitude Degrees	Minutes	Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00051983

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrogen fluoride

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	7664-39-3
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	Hydrogen fluoride
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. ☐ Produce b. ☐ Import		
If produce or import:	a. ☐ As a reactant	a. ☐ As a chemical processing aid
c. ☐ For on-site use/processing	b. ☐ As a formulation component	b. ☐ As a manufacturing aid
d. ☐ For sale/distribution	c. ☐ As an article component	c. ☒ Ancillary or other use
e. ☐ As a byproduct	d. ☐ Repackaging	
f. ☐ As an impurity	e. ☐ As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	154	O	
5.2	Stack or point air emissions	NA ☐	360	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	NA				
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051984

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290								
Off-Site Location Name	GENERAL CHEMICAL								
Off-site Address	501 NICHOLS ROAD								
City	PITTSBURG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 956	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-site Address

City | State | County | Zip | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C01				7A.1c	7A.1d	7A.1e
A	3 C09	4	P11	5	P13				04	99 %	Yes ☐ No ☒
	6 NA	7		8							
7A.2a	7A.2b	1	C01	2	C09				7A.2c	7A.2d	7A.2e
W	3 P11	4	P13	5	NA				02	100 %	Yes ☒ No ☐
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes ☐ No ☐
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes ☐ No ☐
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes ☐ No ☐
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box ☐

and indicate the Part II, Section 6.2/7A page number in this box: ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051986

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	500	514	600	700
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	133000	139419	145000	150000
8.7	Quantity treated offsite	1770	956	1000	1200
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			1.26	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W58	a. T06	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)	Yes [X]	No [ ]

*For Dioxin or Dioxin-like compounds, report in grams/year

SCOEPA00051987

EPA
United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Nitrate compounds

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2004

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
NEIL J. NELSON PRESIDENT		06/22/2005

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Address: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US):

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	JIM.CLAXTON@SILTRONIC.COM	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary a.	b.	c.	d.	e.	f.
	3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00051988

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Nitrate compounds

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
N511

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
Nitrate compounds

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
NA

1.4 **Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.**
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
[ ]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 03 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]			
5.2	Stack or point air emissions	NA [X]			
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		661072	C	0.06
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 5.3 page number in this box.** [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051989

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
3106	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	NA							
Off-Site Location Name	Hillboro Landfill							
Off-site Address	3205 Se Minter Brdge Road							
City	Hillsboro	State	OR	County	Washington	Zip	97123	Country (Non-US)

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051990

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 13	1. M	1. M64
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.): NA

Off-Site location Name: TPS Technologies

Off-site Address: 2800 104th Street Court South

City	State	County	Zip	Country (Non-US)
Lakewood	WA	Pierce	98499	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 61	1. M	1. M73
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	C01	2	C09				7A.1c	7A.1d	7A.1e
W	3 P11	4	P09	5	P12				01	0 %	Yes [X] No [ ]
	6 NA	7		8							
7A.2a	7A.2b	1		2					7A.2c	7A.2d	7A.2e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]

and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051991

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	751000	661072	500000	400000
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	13	75	75
8.1d	Total other off-site disposal or other releases	2360	3168	3500	4000
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	NA	NA	NA	NA
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)	NA			
8.9	Production ratio or activity index	1.26			

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W58	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)	Yes [X]	No [ ]

*For Dioxin or Dioxin-like compounds, report in grams/year

SCOEPA00051992

EPA
United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Nitrate compounds

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2003

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
Neil J. Nelson PRESIDENT		06/18/2004

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	TRI Facility ID Number	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	97210WCKRS7200N	

Street	Mailing Address
7200 NW FRONT AVENUE	NA

City/County/State/Zip Code	City/State/Zip Code	Country (Non-US
PORTLAND MULTNOMAH OR 97210-3676		

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	jim.claxton@siltronic.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00051993

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Nitrate compounds

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Nitrate compounds
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [ ] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]			
5.2	Stack or point air emissions	NA [X]			
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		751107	C	0.89
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 5.3 page number in this box. [ ] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

NITRATES (2)

SCOEPA00051994

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
rounded 2240 to → 2200	O

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	WAD991281767
Off-Site Location Name	BURLINGTON ENVIRONMENTAL, INC.
Off-site Address	20245 77TH AVENUE SOUTH

City	KENT	State	WA	County	KING	Zip	98032	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051995

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 48	1. M	1. M99
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) ORD000005280

Off-Site location Name: TPST SOIL RECYCLERS OF OREGON

Off-site Address: 9333 N. HABORGATE STREET

City	State	County	Zip	Country (Non-US)
PORTLAND	OR	MULTNOMAH	97203	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 72	1. M	1. M73
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	C01	2	C09				7A.1c	7A.1d	7A.1e
W	3 P11	4	P09	5	P12				01	0 %	Yes [X] No [ ]
	6 NA	7		8							
7A.2a	7A.2b	1		2					7A.2c	7A.2d	7A.2e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]
and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00051996

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	1074401	751000	800000	800000
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	16342	2360 (used 2210 matial of 2200)	5000	5000
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	NA	NA	NA	NA
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with productionprocesses (pounds/year)			NA	
8.9	Production ratio or activity index			0.99	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W58	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)	Yes [X]	No [ ]

*For Dioxin or Dioxin-like compounds, report in grams/year

SCOEPA00051997

Claxton, Jim

From: Colt.Christina@epamail.epa.gov
Sent: Friday, October 08, 2004 1:29 PM
To: Claxton, Jim
Subject: Re: Question regarding Section 8 of EPA Form R

The difference is a rounding issue.
6.1.A.1 total Trans to POTW recorded as 2200 but really 2240
8.1d value 2360 used non-rounded value in 6.1.A.1 (2240 lbs)

Jim,

Below I have tried to answer to your question but while reviewing your eFDP I some something else that you may want to look at as well. (By the way, Thank you for including your TRIFID with your question, with the TRIFID and your name I was able to access your eFDP and understand what you submitted).

Should be OK
JC 10/25/04

It appears that you are reporting correctly to Section 8.1.b since you reported your nitrates under Section 5.3.1 (Discharges to Receiving Streams or Water Bodies). The equation for Section 8.1.b is:

Section 8.1b = 5.1 + 5.2 + 5.3 + 5.4.2 + 5.5.2 + 5.5.3A + 5.5.3B + 5.5.4 - 8.8

whereas Section 8.1d deals with chemicals transferred off site to POTWs or other locations. This equation does not contain the Section 5.3 element:

Section 8.1d = 6.1 (portion of transfer that is untreated and ultimately disposed of in UIC Class II-V wells, and land disposal other than to landfills) + 6.2 (quantities associated with M codes M10, M41, M62, M66, M67, M73, M79, M82, M90, M94, M99) - 8.8

2200
120
2340

However, when looking at your eFDP for nitrates, I see that you have included your 2360 in section 8.1d. You may want to check that figure. First of all, the math is a bit off compared to the Section 5&6 numbers (2320). Secondly, you may want to revisit what you have in that section. In 6.2 you show 48 lbs (M99) to burlington env. and 72 lbs (M73) to TPST Soil = 120 lbs. You also have 2200 lbs going to a POTW (City of Portland) which either goes where you have it in 8.1.d (if it is ultimately disposed or otherwise released by the POTW to a stream) or it goes in 8.1.c (if it is ultimately sent by the POTW to a landfill) or it goes under Section 8.7 if the POTW actually treats it for destruction.

2200
120
2320

Section 8.7 = 6.1 (excluding most metal/metal category compounds) + 6.2 (treatment) - 8.8

Hope this helps. If you have any questions, feel free to call me at (206) 553-4016. The EPA offices are closed on Monday but I will be in the rest of the week.

"Claxton, Jim" <Jim.Claxton@siltronic.com>
10/01/2004 04:05 PM

To: Christina Colt/R10/USEPA/US@EPA
cc:
Subject: Question regarding Section 8 of EPA Form R

SCOEPA00051998

TRI Facility ID 97210WCKRS7200N
NPDES # OR0030589

I have a question about Section 8 on the EPA Form R

We use nitric acid in our manufacturing. The spent nitric acid generated is
treated in our wastewater treatment plant. The treatment consists of neutralization with lime, pH adjustments and filtering. The product of the
treatment is water-soluble nitrates. The water-soluble nitrates are released into the Willamette River under our NPDES permit.

After reading the TRI Instructions and speaking with the TRI Regulatory Questions Center, I entered the total amount of water-soluble nitrate discharged to the river in Section 8.1b, Total other on-site disposal or other releases.

Was this the correct box or should the water-soluble nitrates have been placed in section 8.1d, Total other off-site disposal or other releases? This question came during our review of the Facility Data Profile. We are
not actual disposing on the site. We are discharging to the river which is
off site.

Thank you for help.

> JIM CLAXTON
> ENVIRONMENTAL ENGINEER
>
> Siltronic Corporation
> 7200 NW Front Avenue, M/S 30
> Portland, OR 97210-3676
> Tel. (503) 219-7313
> Fax (503) 219-7599
> email jim.claxton@siltronic.com
>
> SILTRONIC
> PERFECT SILICON SOLUTIONS
>

SCOEPA00051999

Signature Certification for State Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 17, 2004

Mr. Bob Albers
Oregon Emergency Response Commission
Office of State Fire Marshall
4760 Portland Road, Northeast
Salem, OR 97305-1760
503 378-3473 (ext. 262); fax 503 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.
These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R
Hydrogen fluoride	2003	7664-39-3	Form R
Nitrate compounds	2003	N511	Form R
Nitric acid	2003	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM.CLAXTON@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

SCOEPA00052000

97210WCKRS7200N
SILTRONIC CORP.

Sincerely,

6/18/04

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00052001

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 044.JWC

2004-June-18

Source Reduction in TRI Chemicals

In 2003, Siltronic initiated a Pilot Program for selling the used nitric/hydrofluoric acid from its acid etch process. About 267,000 pounds of nitric/hydrofluoric acid were sold in 2003. This resulted in an 83,000-pound reduction in water-soluble nitrates discharged.

Please contact Jim Claxton at 503-219-7313 for additional information.

Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

7002 2030 0003 5905 2028

EPA

United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrogen fluoride

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2003

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
Neil J. Nelson PRESIDENT		06/18/2004

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	NA
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	jim.claxton@siltronic.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052003

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrogen fluoride

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7664-39-3

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
Hydrogen fluoride

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
NA

1.4 **Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.**
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. ☐ Produce b. ☐ Import
- If produce or import:
- c. ☐ For on-site use/processing
- d. ☐ For sale/distribution
- e. ☐ As a byproduct
- f. ☐ As an impurity

3.2 Process the toxic chemical:
- a. ☐ As a reactant
- b. ☐ As a formulation component
- c. ☐ As an article component
- d. ☐ Repackaging
- e. ☐ As an impurity

3.3 Otherwise use the toxic chemical:
- a. ☐ As a chemical processing aid
- b. ☐ As a manufacturing aid
- c. ☒ Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	140	O	
5.2	Stack or point air emissions	NA ☐	360	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐ and indicate the Part II, Section 5.3 page number in this box. ☐ (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052004

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290								
Off-Site Location Name	GENERAL CHEMICAL								
Off-site Address	501 NICHOLS ROAD								
City	PITTSBURG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	
Is location under control of reporting facility or parent company?					[ ] Yes	[X] No			

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052005

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 860	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) WAD991281767

Off-Site location Name	BURLINGTON ENVIRONMENTAL, INC.
Off-site Address	20245 77TH AVENUE SOUTH

City	KENT	State	WA	County	KING	Zip	98032	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 910	1. M	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C01				7A.1c	7A.1d	7A.1e
A	3 C09	4	P11	5	P13				04	99 %	Yes [ ] No [X]
	6 NA	7		8							
7A.2a	7A.2b	1	C01	2	C09				7A.2c	7A.2d	7A.2e
W	3 P11	4	P13	5	NA				02	100 %	Yes [X] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]
and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052006

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	530	500	550	600
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	139896	133000	140000	150000
8.7	Quantity treated offsite	2584	1770	2000	2500
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with productionprocesses (pounds/year)			NA	
8.9	Production ratio or activity index			0.99	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W58	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box) — Yes [ ] No [X]

*For Dioxin or Dioxin-like compounds, report in grams/year

SCOEPA00052007

Signature Certification for State Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 17, 2004

Mr. Bob Albers
Oregon Emergency Response Commission
Office of State Fire Marshall
4760 Portland Road, Northeast
Salem, OR 97305-1760
503 378-3473 (ext. 262); fax 503 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R
Hydrogen fluoride	2003	7664-39-3	Form R
Nitrate compounds	2003	N511	Form R
Nitric acid	2003	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM.CLAXTON@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

SCOEPA00052008

97210WCKRS7200N
SILTRONIC CORP.

Sincerely,

6/18/04

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00052009

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 044.JWC

2004-June-18

Source Reduction in TRI Chemicals

In 2003, Siltronic initiated a Pilot Program for selling the used nitric/hydrofluoric acid from its acid etch process. About 267,000 pounds of nitric/hydrofluoric acid were sold in 2003. This resulted in an 83,000-pound reduction in water-soluble nitrates discharged.

Please contact Jim Claxton at 503-219-7313 for additional information.

Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

7002 2030 0003 5905 2028

Signature Certification for U.S. EPA Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 17, 2004

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R
Hydrogen fluoride	2003	7664-39-3	Form R
Nitrate compounds	2003	N511	Form R
Nitric acid	2003	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM.CLAXTON@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

SCOEPA00052011

97210WCKRS7200N
SILTRONIC CORP.

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

6/18/04

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00052012

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 044.JWC

2004-June-18

Source Reduction in TRI Chemicals

In 2003, Siltronic initiated a Pilot Program for selling the used nitric/hydrofluoric acid from its acid etch process. About 267,000 pounds of nitric/hydrofluoric acid were sold in 2003. This resulted in an 83,000-pound reduction in water-soluble nitrates discharged.

Please contact Jim Claxton at 503-219-7313 for additional information.

Siltronic Corporation

J. Claxton

Jim Claxton
Environmental Engineer

7002 2030 0003 5905 2028

EPA
United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Nitric acid

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2003

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
Neil J. Nelson PRESIDENT		06/18/2004

SECTION 4. FACILITY IDENTIFICATION

4.1

TRI Facility ID Number	97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	NA
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	jim.claxton@siltronic.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052014

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Nitric acid

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7697-37-2

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
Nitric acid

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
NA

1.4 **Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.**
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. ☐ Produce b. ☐ Import
- If produce or import:
- c. ☐ For on-site use/processing
- d. ☐ For sale/distribution
- e. ☐ As a byproduct
- f. ☐ As an impurity

3.2 Process the toxic chemical:
- a. ☐ As a reactant
- b. ☐ As a formulation component
- c. ☐ As an article component
- d. ☐ Repackaging
- e. ☐ As an impurity

3.3 Otherwise use the toxic chemical:
- a. ☐ As a chemical processing aid
- b. ☐ As a manufacturing aid
- c. ☒ Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 05 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	860	O	
5.2	Stack or point air emissions	NA ☐	400	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐ and indicate the Part II, Section 5.3 page number in this box. ☐ (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052015

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B.	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290								
Off-Site Location Name	GENERAL CHEMICAL								
Off-site Address	501 NICHOLS ROAD								
City	PITTSBURG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052016

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 280	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) WAD991281767

Off-Site location Name	BURLINGTON ENVIRONMENTAL, INC.								
Off-site Address	20245 77TH AVENUE SOUTH								
City	KENT	State	WA	County	KING	Zip	98032	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 230	1. M	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C01	3	C09	4	**7A.1c**	**7A.1d**	**7A.1e**
	P11	5	P09	6	P12	7	NA	8			
A									02	99 %	Yes [X] No [ ]
7A.2a	7A.2b	1	C01	2	C09	3	P11	4	**7A.2c**	**7A.2d**	**7A.2e**
	P09	5	P12	6	NA	7		8			
W									02	100 %	Yes [X] No [ ]
7A.3a	7A.3b	1		2		3		4	**7A.3c**	**7A.3d**	**7A.3e**
		5		6		7		8			
										%	Yes [ ] No [ ]
7A.4a	7A.4b	1		2		3		4	**7A.4c**	**7A.4d**	**7A.4e**
		5		6		7		8			
										%	Yes [ ] No [ ]
7A.5a	7A.5b	1		2		3		4	**7A.5c**	**7A.5d**	**7A.5e**
		5		6		7		8			
										%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]
and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052017

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	1467	1300	1400	1600
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	1044631	777000	1000000	1100000
8.7	Quantity treated offsite	779	510	600	700
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with productionprocesses (pounds/year)			NA	
8.9	Production ratio or activity index			0.99	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W58	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box) — Yes [ ] No [X]

*For Dioxin or Dioxin-like compounds, report in grams/year

EPA
United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols" only)

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2003

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
Neil J. Nelson PRESIDENT		06/18/2004

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	NA
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	jim.claxton@siltronic.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052019

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" o

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	7647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	Hydrochloric acid (1995 and after "Acid Aerosols" only)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
[ ]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [X] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	390	O	
5.2	Stack or point air emissions	NA [ ]	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 5.3 page number in this box. [ ] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052020

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" o

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052021

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 31100	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) TXP490295001

Off-Site location Name	GEM MICROELECTRONIC MATERIALS, LLS							
Off-site Address	100 US HIGHWAY 287 NORTH							
City	MANSFIELD	State	TX	County	TARRANT	Zip	76063	Country (Non-US)

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 16	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1	P09	2	C11				7A.2c	7A.2d	7A.2e
W	3 P12	4	NA	5					02	100 %	Yes [X] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052022

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.)	PAD987283207
Off-Site location Name	AIR LIQUIDE AMERICAN CORP.
Off-site Address	19 STEEL ROAD WEST

City	MORRISVILLE	State	PA	County	BUCKS	Zip	190673698	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 6600	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b: 1 2 3 4 5 6 7 8	7A.6c	7A.6d %	7A.6e Yes [ ] No [ ]
7A.7a	7A.7b: 1 2 3 4 5 6 7 8	7A.7c	7A.7d %	7A.7e Yes [ ] No [ ]
7A.8a	7A.8b: 1 2 3 4 5 6 7 8	7A.8c	7A.8d %	7A.8e Yes [ ] No [ ]
7A.9a	7A.9b: 1 2 3 4 5 6 7 8	7A.9c	7A.9d %	7A.9e Yes [ ] No [ ]
7A.10a	7A.10b: 1 2 3 4 5 6 7 8	7A.10c	7A.10d %	7A.10e Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052023

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 4 Off-Site EPA Identification Number (RCRA ID No.) ORQ000009423

Off-Site location Name	Kanto Corporation
Off-site Address	13424 N Woodrush Way

City	Portland	State	OR	County	Multnomah	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 220	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.11a	7A.11b	1		2		3		4	7A.11c	7A.11d	7A.11e
	5		6		7		8			%	Yes [ ] No [ ]
7A.12a	7A.12b	1		2		3		4	7A.12c	7A.12d	7A.12e
	5		6		7		8			%	Yes [ ] No [ ]
7A.13a	7A.13b	1		2		3		4	7A.13c	7A.13d	7A.13e
	5		6		7		8			%	Yes [ ] No [ ]
7A.14a	7A.14b	1		2		3		4	7A.14c	7A.14d	7A.14e
	5		6		7		8			%	Yes [ ] No [ ]
7A.15a	7A.15b	1		2		3		4	7A.15c	7A.15d	7A.15e
	5		6		7		8			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [3] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052024

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" o

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	432	460	500	550
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	17916	37700	45000	50000
8.6	Quantity treated onsite	342662	351600	400000	450000
8.7	Quantity treated offsite	161	240	300	500
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with productionprocesses (pounds/year)	NA			
8.9	Production ratio or activity index	0.99			

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)	Yes [ ]	No [X]

*For Dioxin or Dioxin-like compounds, report in grams/year

SCOEPA00052025

Signature Certification for U.S. EPA Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 17, 2004

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R
Hydrogen fluoride	2003	7664-39-3	Form R
Nitrate compounds	2003	N511	Form R
Nitric acid	2003	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM.CLAXTON@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

SCOEPA00052026

97210WCKRS7200N
SILTRONIC CORP.

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

6/18/04

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00052027

siltronic
perfect silicon solutions

Jim Claxton
Environmental Engineer

Siltronic Corporation
7200 NW Front Avenue, M/S 30
Portland OR 97210-3676, USA
Tel. 503-219-7313
Fax 503-219-7599
jim.claxton@siltronic.com

ER: 044.JWC

2004-June-18

Source Reduction in TRI Chemicals

In 2003, Siltronic initiated a Pilot Program for selling the used nitric/hydrofluoric acid from its acid etch process. About 267,000 pounds of nitric/hydrofluoric acid were sold in 2003. This resulted in an 83,000-pound reduction in water-soluble nitrates discharged.

Please contact Jim Claxton at 503-219-7313 for additional information.

Siltronic Corporation

J Claxton

Jim Claxton
Environmental Engineer

7002 2030 0003 5905 2028

Signature Certification for State Diskette Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 24, 2003

Mr. Bob Albers
Oregon Emergency Response Commission
Office of State Fire Marshall
4760 Portland Road, Northeast
Salem, OR 97305-1760
503 378-3473 (ext. 262); fax 503 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2002	7647-01-0	Form R
Hydrogen fluoride	2002	7664-39-3	Form R
Nitrate compounds	2002	N511	Form R
Nitric acid	2002	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM_CLAXTON@WACKER.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Enclosure: Diskette

SCOEPA00052029

Signature Certification for U.S. EPA Diskette Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 24, 2003

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
New Carrollton, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2002	7647-01-0	Form R
Hydrogen fluoride	2002	7664-39-3	Form R
Nitrate compounds	2002	N511	Form R
Nitric acid	2002	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM_CLAXTON@WACKER.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Enclosure: Diskette

SCOEPA00052030

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Addres: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON		Telephone Number (include area code): (503) 219-7313
	Email Address: JIM_CLAXTON@WACKER.COM		
4.4	Public Contact Name: TOM FAHEY		Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
Latitude	45	34	36	Longitude	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052031

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Nitrate compounds

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Nitrate compounds
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [ ] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]			
5.2	Stack or point air emissions	NA [X]			
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1074401	M	0.12
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052032

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
16342	O

6.1.B. 1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B.	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	ORD000005280								
Off-Site Location Name	TPST SOIL RECYCLERS OF OREGON								
Off-site Address	9333 N. HABORGATE STREET								
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052033

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 84	1. M	1. M50
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-site Address

City	State	County	Zip	Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	C01	2	C09			7A.1c	7A.1d	7A.1e
W	3 P11	4	P09	5	P12			01	0 %	Yes X / No
	6 NA	7		8						
7A.2a	7A.2b	1		2				7A.2c	7A.2d	7A.2e
	3	4		5					%	Yes / No
	6	7		8						
7A.3a	7A.3b	1		2				7A.3c	7A.3d	7A.3e
	3	4		5					%	Yes / No
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes / No
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes / No
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box ☐

and indicate the Part II, Section 6.2/7A page number in this box: ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052034

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	918800	1074401	1200000	1300000
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	48360	16342	20000	25000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Addres: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US)

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	JIM_CLAXTON@WACKER.COM	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude			Longitude			
	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052036

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Nitric acid

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	7697-37-2
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	Nitric acid
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. ☐ Produce b. ☐ Import		
If produce or import:		
c. ☐ For on-site use/processing	a. ☐ As a reactant	a. ☐ As a chemical processing aid
d. ☐ For sale/distribution	b. ☐ As a formulation component	b. ☐ As a manufacturing aid
e. ☐ As a byproduct	c. ☐ As an article component	c. ☒ Ancillary or other use
f. ☐ As an impurity	d. ☐ Repackaging	
	e. ☐ As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	1068	O	
5.2	Stack or point air emissions	NA ☐	399	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052037

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290								
Off-Site Location Name	GENERAL CHEMICAL								
Off-site Address	501 NICHOLS ROAD								
City	PITTSBURG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052038

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 306	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) WAD991281767

Off-Site location Name: BURLINGTON ENVIRONMENTAL, INC.

Off-site Address: 20245 77TH AVENUE SOUTH

City	KENT	State	WA	County	KING	Zip	98032	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 473	1. O	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C01				7A.1c	7A.1d	7A.1e
A	3 C09	4	P11	5	P09				02	99 %	Yes [X] No [ ]
	6 P12	7	NA	8							
7A.2a	7A.2b	1	C01	2	C09				7A.2c	7A.2d	7A.2e
W	3 P11	4	P09	5	P12				02	100 %	Yes [X] No [ ]
	6 NA	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]
and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052039

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1110	1467	1600	1700
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	1003800	1044631	1100000	1200000
8.7	Quantity treated offsite	410	779	900	1000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)		Yes [ ]	No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Addres: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	JIM_CLAXTON@WACKER.COM	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
Latitude	45	34	36	Longitude	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052041

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrogen fluoride

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 7664-39-3
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Hydrogen fluoride
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. ☐ Produce b. ☐ Import		
If produce or import:	a. ☐ As a reactant	a. ☐ As a chemical processing aid
c. ☐ For on-site use/processing	b. ☐ As a formulation component	b. ☐ As a manufacturing aid
d. ☐ For sale/distribution	c. ☐ As an article component	c. ☒ Ancillary or other use
e. ☐ As a byproduct	d. ☐ Repackaging	
f. ☐ As an impurity	e. ☐ As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

		A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions NA ☐	143	O	
5.2	Stack or point air emissions NA ☐	360	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)			
	Stream or Water Body Name			
5.3.1	WILLAMETTE RIVER	0	M	NA
5.3.2				
5.3.3				

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐ and indicate the Part II, Section 5.3 page number in this box. ☐ (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052042

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290								
Off-Site Location Name	GENERAL CHEMICAL								
Off-site Address	501 NICHOLS ROAD								
City	PITTSBURG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052043

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 691	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) WAD991281767

Off-Site location Name	BURLINGTON ENVIRONMENTAL, INC.
Off-site Address	20245 77TH AVENUE SOUTH

City	KENT	State	WA	County	KING	Zip	98032	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 1893	1. O	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C01	3	C09	4	P11	5	P13	6	NA	7		8		7A.1c	7A.1d	7A.1e
A																		04	99 %	Yes [ ] No [X]
7A.2a	7A.2b	1	C01	2	C09	3	P11	4	P13	5	NA	6		7		8		7A.2c	7A.2d	7A.2e
W																		02	100 %	Yes [X] No [ ]
7A.3a	7A.3b	1		2		3		4		5		6		7		8		7A.3c	7A.3d	7A.3e
																			%	Yes [ ] No [ ]
7A.4a	7A.4b	1		2		3		4		5		6		7		8		7A.4c	7A.4d	7A.4e
																			%	Yes [ ] No [ ]
7A.5a	7A.5b	1		2		3		4		5		6		7		8		7A.5c	7A.5d	7A.5e
																			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]

and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052044

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	170	530	600	700
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	155400	139896	168000	190000
8.7	Quantity treated offsite	930	2584	3500	5500
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address (if different from street address):

Street: 7200 NW FRONT AVENUE

Mailing Addres: NA

City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676

City/State/Zip Code:

Country (Non-US):

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3 Technical Contact Name: JAMES CLAXTON — Telephone Number (include area code): (503) 219-7313

Email Address: JIM_CLAXTON@WACKER.COM

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits):

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052046

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	7647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	Hydrochloric acid (1995 and after "Acid Aerosols" only)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. ☒ Produce b. ☐ Import		
If produce or import:	a. ☐ As a reactant	a. ☐ As a chemical processing aid
c. ☐ For on-site use/processing	b. ☐ As a formulation component	b. ☐ As a manufacturing aid
d. ☐ For sale/distribution	c. ☐ As an article component	c. ☒ Ancillary or other use
e. ☒ As a byproduct	d. ☐ Repackaging	
f. ☐ As an impurity	e. ☐ As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	361	O	
5.2	Stack or point air emissions	NA ☐	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052047

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	
Is location under control of reporting facility or parent company?	[ ] Yes	[X] No							

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052048

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 14394	1. O	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) TXP490295001

Off-Site location Name	GEM MICROELECTRONIC MATERIALS, LLS							
Off-site Address	100 US HIGHWAY 287 NORTH							
City	MANSFIELD	State	TX	County	TARRANT	Zip	76063	Country (Non-US)

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 161	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1	P09	2	C11				7A.2c	7A.2d	7A.2e
W	3 P12	4	NA	5					02	100 %	Yes [X] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052049

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.): PAD987283207

Off-Site location Name: AIR LIQUIDE AMERICAN CORP.

Off-site Address: 19 STEEL ROAD WEST

City	State	County	Zip	Country (Non-US)
MORRISVILLE	PA	BUCKS	190673698	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 3522	1. O	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b: 1 2 3 4 5 6 7 8	7A.6c	7A.6d %	7A.6e Yes [ ] No [ ]
7A.7a	7A.7b: 1 2 3 4 5 6 7 8	7A.7c	7A.7d %	7A.7e Yes [ ] No [ ]
7A.8a	7A.8b: 1 2 3 4 5 6 7 8	7A.8c	7A.8d %	7A.8e Yes [ ] No [ ]
7A.9a	7A.9b: 1 2 3 4 5 6 7 8	7A.9c	7A.9d %	7A.9e Yes [ ] No [ ]
7A.10a	7A.10b: 1 2 3 4 5 6 7 8	7A.10c	7A.10d %	7A.10e Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]

and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052050

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	3700	432	500	600
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	18200	17916	20000	22000
8.6	Quantity treated onsite	349300	342662	420000	500000
8.7	Quantity treated offsite	NA	161	200	250
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

Signature Certification for U.S. EPA Diskette Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 24, 2003

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
New Carrollton, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2002	7647-01-0	Form R
Hydrogen fluoride	2002	7664-39-3	Form R
Nitrate compounds	2002	N511	Form R
Nitric acid	2002	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM_CLAXTON@WACKER.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Enclosure: Diskette

SCOEPA00052052

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Addres: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US):

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	jim_claxton@wacker.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052053

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Nitric acid

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7697-37-2

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
Nitric acid

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
NA

1.4 **Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.**
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. ☐ Produce b. ☐ Import

If produce or import:
- c. ☐ For on-site use/processing
- d. ☐ For sale/distribution
- e. ☐ As a byproduct
- f. ☐ As an impurity

3.2 Process the toxic chemical:
- a. ☐ As a reactant
- b. ☐ As a formulation component
- c. ☐ As an article component
- d. ☐ Repackaging
- e. ☐ As an impurity

3.3 Otherwise use the toxic chemical:
- a. ☐ As a chemical processing aid
- b. ☐ As a manufacturing aid
- c. ☒ Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 05 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

		A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions ☐ NA	1068	O	
5.2	Stack or point air emissions ☐ NA	399	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)			
	Stream or Water Body Name			
5.3.1	WILLAMETTE RIVER	0	M	NA
5.3.2				
5.3.3				

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052054

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B.	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1	Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290							
Off-Site Location Name	GENERAL CHEMICAL								
Off-site Address	501 NICHOLS ROAD								
City	PITTSBURG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052055

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 306	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) WAD991281767

Off-Site location Name: BURLINGTON ENVIRONMENTAL, INC.

Off-site Address: 20245 77TH AVENUE SOUTH

City	State	County	Zip	Country (Non-US)
KENT	WA	KING	98032	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 473	1. O	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C01				7A.1c	7A.1d	7A.1e
A	3 C09	4	P11	5	P09				02	99 %	Yes X / No
	6 P12	7	NA	8							
7A.2a	7A.2b	1	C01	2	C09				7A.2c	7A.2d	7A.2e
W	3 P11	4	P09	5	P12				02	100 %	Yes X / No
	6 NA	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes / No
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes / No
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes / No
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]

and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052056

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitric acid

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1110	1467	1600	1700
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	1003800	1044631	1100000	1200000
8.7	Quantity treated offsite	410	779	900	1000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Addres: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US):

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313	
	Email Address: jim_claxton@wacker.com		
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901	

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052058

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Nitrate compounds

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	Nitrate compounds
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.).

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
[ ]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [ ] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]			
5.2	Stack or point air emissions	NA [X]			
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1074401	M	0.12
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [ ]
and indicate the Part II, Section 5.3 page number in this box. [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052059

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
16342	O

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	ORD000005280								
Off-Site Location Name	TPST SOIL RECYCLERS OF OREGON								
Off-site Address	9333 N. HABORGATE STREET								
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052060

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 84	1. M	1. M50
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-site Address

City | State | County | Zip | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	C01	2	C09				7A.1c	7A.1d	7A.1e
W	3 P11	4	P09	5	P12				01	0 ~~100~~ %	Yes X / No ☐
	6 NA	7		8							
7A.2a	7A.2b	1		2					7A.2c	7A.2d	7A.2e
	3	4		5						%	Yes ☐ / No ☐
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes ☐ / No ☐
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes ☐ / No ☐
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes ☐ / No ☐
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box ☐

and indicate the Part II, Section 6.2/7A page number in this box: ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052061

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Nitrate compounds

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	918800	1074401	1200000	1300000
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	NA	1089556 O	~~1200000~~ O	~~1300000~~ O.
8.7	Quantity treated offsite	48360	16342	20000	25000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA ED MOUDS MARK	
8.9	Production ratio or activity index			0.60	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Addres**
7200 NW FRONT AVENUE	NA
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address: jim_claxton@wacker.com	
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052063

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrogen fluoride

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 7664-39-3
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Hydrogen fluoride
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. ☐ Produce b. ☐ Import		
If produce or import:		
c. ☐ For on-site use/processing	a. ☐ As a reactant	a. ☐ As a chemical processing aid
d. ☐ For sale/distribution	b. ☐ As a formulation component	b. ☐ As a manufacturing aid
e. ☐ As a byproduct	c. ☐ As an article component	c. ☒ Ancillary or other use
f. ☐ As an impurity	d. ☐ Repackaging	
	e. ☐ As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	143	O	
5.2	Stack or point air emissions	NA ☐	360	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052064

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B.	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1	Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290							
Off-Site Location Name	GENERAL CHEMICAL								
Off-site Address	501 NICHOLS ROAD								
City	PITTSBURG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 691	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.): WAD991281767

Off-Site location Name: BURLINGTON ENVIRONMENTAL, INC.

Off-site Address: 20245 77TH AVENUE SOUTH

City	State	County	Zip	Country (Non-US)
KENT	WA	KING	98032	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 1893	1. O	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C01			7A.1c	7A.1d	7A.1e
A	3 C09	4	P11	5	P13			04	80 %	Yes [ ] No [X]
	6 NA	7		8						
7A.2a	7A.2b	1	C01	2	C09			7A.2c	7A.2d	7A.2e
W	3 P11	4	P13	5	NA			02	100 %	Yes [X] No [ ]
	6	7		8						
7A.3a	7A.3b	1		2				7A.3c	7A.3d	7A.3e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [ ]

and indicate the Part II, Section 6.2/7A page number in this box: [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052066

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrogen fluoride

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	170	530	600	700
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	NA	NA	NA	NA
8.6	Quantity treated onsite	155400	139896	168000	190000
8.7	Quantity treated offsite	930	2584	3500	5500
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box) — Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Addres: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	jim_claxton@wacker.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052068

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7647-01-0

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
Hydrochloric acid (1995 and after "Acid Aerosols" only)

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
NA

1.4 **Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.**
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce b. [ ] Import
- If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

		A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions NA ☐	361	O	
5.2	Stack or point air emissions NA ☐	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)			
	Stream or Water Body Name			
5.3.1	WILLAMETTE RIVER	0	M	NA
5.3.2				
5.3.3				

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052069

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052070

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 14394	1. O	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) TXP490295001

Off-Site location Name	GEM MICROELECTRONIC MATERIALS, LLS
Off-site Address	100 US HIGHWAY 287 NORTH

City	MANSFIELD	State	TX	County	TARRANT	Zip	76063	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 161	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1	P09	2	C11				7A.2c	7A.2d	7A.2e
W	3 P12	4	NA	5					02	100 %	Yes [X] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052071

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.): PAD987283207

Off-Site location Name: AIR LIQUIDE AMERICAN CORP.

Off-site Address: 19 STEEL ROAD WEST

City	MORRISVILLE	State	PA	County	BUCKS	Zip	190673698	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 3522	1. O	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2		3		4	7A.6c	7A.6d	7A.6e
	5		6		7		8			%	Yes [ ] No [ ]
7A.7a	7A.7b	1		2		3		4	7A.7c	7A.7d	7A.7e
	5		6		7		8			%	Yes [ ] No [ ]
7A.8a	7A.8b	1		2		3		4	7A.8c	7A.8d	7A.8e
	5		6		7		8			%	Yes [ ] No [ ]
7A.9a	7A.9b	1		2		3		4	7A.9c	7A.9d	7A.9e
	5		6		7		8			%	Yes [ ] No [ ]
7A.10a	7A.10b	1		2		3		4	7A.10c	7A.10d	7A.10e
	5		6		7		8			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]

and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052072

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

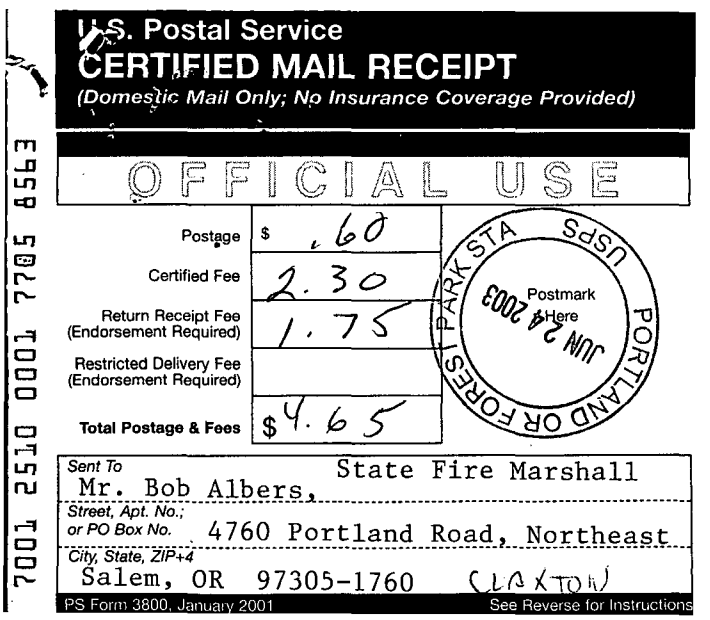
		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	3700	432	500	600
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	18200	17916	20000	22000
8.6	Quantity treated onsite	349300	342662	420000	500000
8.7	Quantity treated offsite	NA	161	200	250
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.



U.S. Postal Service
CERTIFIED MAIL RECEIPT
(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage	$ .60
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.65

USPS PARK STA PORTLAND OR FOREST
Postmark Here
JUN 24 2003

Sent To: Mr. Bob Albers, State Fire Marshall
Street, Apt. No.; or PO Box No.: 4760 Portland Road, Northeast
City, State, ZIP+4: Salem, OR 97305-1760 (CLACKTON)

PS Form 3800, January 2001 See Reverse for Instructions

7001 2510 0001 7705 8563

SCOEPA00052074

Certified Mail Provides:

- A mailing receipt
- A unique identifier for your mailpiece
- A signature upon delivery
- A record of delivery kept by the Postal Service for two years

Important Reminders:

- Certified Mail may ONLY be combined with First-Class Mail or Priority Mail.
- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry.

PS Form 3800, January 2001 *(Reverse)* 102595-01-M-1049

SCOEPA00052075

7001 2510 0001 7705 4556

U.S. Postal Service

CERTIFIED MAIL RECEIPT

(Domestic Mail Only; No Insurance Coverage Provided)

OFFICIAL USE

Postage	$ 1.60
Certified Fee	2.30
Return Receipt Fee (Endorsement Required)	1.75
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	$ 4.65

USPS PORTLAND OREGON PARKSIDE

Postmark Here

JUN 24 2003

Sent To TRI Data Processing Center

Street, Apt. No.; or PO Box No. Suite 300, 8400 Corporate Dr.

City, State, ZIP+4 New Carrollton, MD 20785

PS Form 3800, January 2001 — See Reverse for Instructions

Certified Mail Provides:

- A mailing receipt
- A unique identifier for your mailpiece
- A signature upon delivery
- A record of delivery kept by the Postal Service for two years

Important Reminders:

- Certified Mail may ONLY be combined with First-Class Mail or Priority Mail.
- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage *and mail.*

IMPORTANT: Save this receipt and present it when making an inquiry.

PS Form 3800, January 2001 *(Reverse)* 102595-01-M-1049

SCOEPA00052077

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

Mr. Bob Albers
Oregon Emergency Response Comm.
Office of State Fire Marshall
4760 Portland Road, Northeast
Salem, OR 97305-1760

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X E. Norman ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

6/25/03

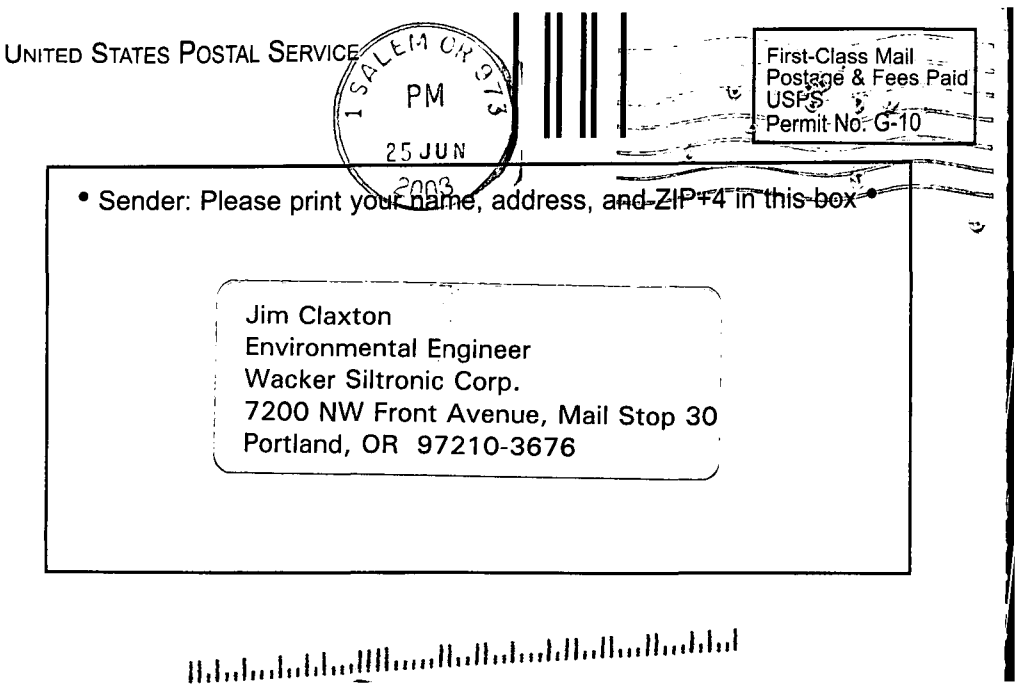
3. Service Type
☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7001 2510 0001 7705 8563

PS Form 3811, August 2001 Domestic Return Receipt 102595-01-M-2509

SCOEPA00052078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25 JUN
2003
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Postage & Fees Paid
USPS
Permit No. G-10
• Sender: Please print your name, address, and ZIP+4 in this box •
Jim Claxton
Environmental Engineer
Wacker Siltronic Corp.
7200 NW Front Avenue, Mail Stop 30
Portland, OR 97210-3676

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TRI Data Processing Center
c/o Computer Sciences Corp.
Suite 300
8400 Corporation Drive
New Carrollton, MD 20785

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

CSC - TRI DATA OPERATIONS 2003

D. Is delivery address different from item 1? ☐ Yes ☐ No
If YES, enter delivery address below:

8400 CORPORATE DRIVE
SUITE 300
NEW CARROLLTON, MD 20785

3. Service Type

☐ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from service label) 7001 2510 0001 7705 8556

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1035

SCOEPA00052080

UNITED STATES POSTAL SERVICE

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Postage & Fees Paid
USPS
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Jim Claxton
Environmental Engineer
Wacker Siltronic Corp.
7200 NW Front Avenue, Mail Stop 30
Portland, OR 97210-3676

Signature Certification for State Diskette Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 24, 2003

Mr. Bob Albers
Oregon Emergency Response Commission
Office of State Fire Marshall
4760 Portland Road, Northeast
Salem, OR 97305-1760
503 378-3473 (ext. 262); fax 503 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2002	7647-01-0	Form R
Hydrogen fluoride	2002	7664-39-3	Form R
Nitrate compounds	2002	N511	Form R
Nitric acid	2002	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM_CLAXTON@WACKER.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Enclosure: Diskette

SCOEPA00052082

Signature Certification for U.S. EPA Diskette Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

June 24, 2003

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
New Carrollton, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 chemical report(s) for our facility.

These 4 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2002	7647-01-0	Form R
Hydrogen fluoride	2002	7664-39-3	Form R
Nitrate compounds	2002	N511	Form R
Nitric acid	2002	7697-37-2	Form R

Our technical point of contact is:

JAMES CLAXTON
(503) 219-7313
JIM_CLAXTON@WACKER.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Enclosure: Diskette

SCOEPA00052083

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 972103676
TRI Fac. ID: 97210-WCKRS-7200N
06/24/2002

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **4** Chemical Report(s) for our facility.
These **4** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	2001	7664393	5-page Form R
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	2001	7647010	5-page Form R
NITRIC ACID	2001	7697372	5-page Form R
NITRATE COMPOUNDS	2001	N511	5-page Form R

Our technical point of contact is:

JAMES CLAXTON Phone Number: **(503) 219-7313**

and is available if any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

WACKER
Wacker Siltronic Corporation

June 26, 2002

ER025:JC

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

RE: 2001 Toxic Chemical Release Inventory Form R Reports

Enclosed please find a copy of the toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Included is a signed copy of the submittal letter to the EPCRA Reporting Center and one (1) microcomputer diskette containing the Chemical Reports. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We submitted a total of four (4) Chemical Reports for our facility. The chemicals are reported on the regular Form R, as follows:

Chemical Name	Report Year	CAS Number
Hydrogen Fluoride	2001	007664-39-3
Hydrochloric Acid (Aerosols)	2001	007647-01-0
Nitric Acid	2001	007697-37-2
Nitrate Compounds	2001	N511 (Section 313 Category)

Our technical point of contact is James Claxton who can be contacted at (503) 219-7313 if there should be any questions related to these reports.

Sincerely,

WACKER SILTRONIC CORPORATION

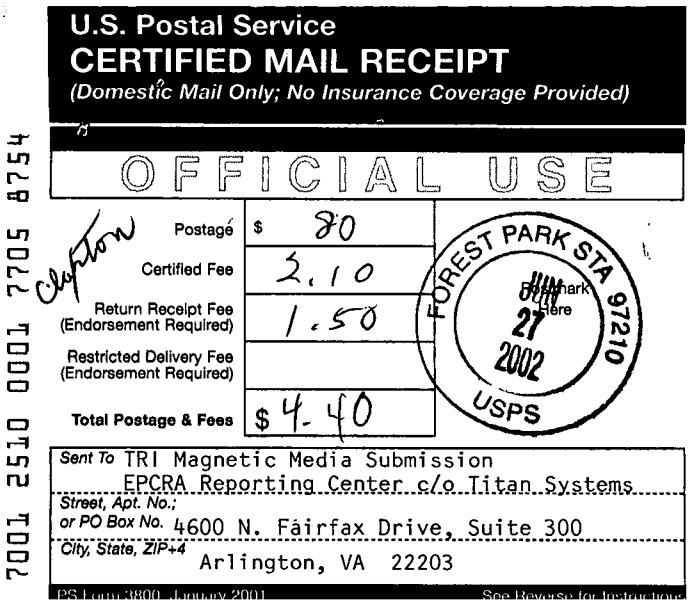
J Claxton

James Claxton,
Environmental Engineer

Enclosures
c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052085



SCOEPA00052086

Certified Mail Provides:

- A mailing receipt
- A unique identifier for your mailpiece
- A signature upon delivery
- A record of delivery kept by the Postal Service for two years

Important Reminders:

- Certified Mail may ONLY be combined with First-Class Mail or Priority Mail.
- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry.

PS Form 3800, January 2001 *(Reverse)* 102595-01-M-1049

SCOEPA00052087

SENDER: *COMPLETE THIS SECTION*

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

TRI Magnetic Media Submission
EPCRA Reporting Center
c/o Titan Systems Corp.
4600 N. Fairfax Drive, Suite 300
Arlington, VA 22203

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X ☐ Agent ☐ Addressee

B. Received by *(Printed Name)* | C. Date of Delivery

JUL 0 1 2002

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

EPCRA Reporting Center
US EPA
P.O. Box 3348
Merrifield, VA 22116-3346

3. Service Type

☒ Certified Mail ☐ Express Mail
☐ Registered ☐ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number
(Transfer from ser 7001 2510 0001 7705 8754

PS Form 3811, August 2001 Domestic Return Receipt 102595-01-M-2509

SCOEPA00052088

UNITED STATES POSTAL SERVICE

First-Class Mail
Postage & Fees Paid
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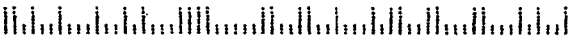
Permit No. G-10

• Sender: Please print your name, address, and ZIP+4 in this box •

Jim Claxton
Wacker Siltronic Corp.
7200 NW Front Avenue, MS 30
Portland, OR 97210-3676

24



EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]
For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2001

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/24/2002

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	TRI Facility ID Number
WACKER SILTRONIC CORP.	97210WCKRS7200N

Street	Facility or Establishment Name or Mailing Address(if different from street address)
7200 NW FRONT AVENUE	

City/County/State/Zip Code	Mailing Address	Country (Non-US)
PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable)
a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3 Technical Contact Name: JAMES CLAXTON — Telephone Number (include area code): (503) 219-7313

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

	Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
Latitude	45	34	36	Longitude	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

5.2 Parent Company's Dun & Bradstreet Number: NA [X]

SCOEPA00052090

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7664393

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
HYDROGEN FLUORIDE

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
X																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [ ] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [ ] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	B	C	
5.2	Stack or point air emissions	NA [ ]	B	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052091

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290								
Off-Site Location Name	GENERAL CHEMICAL								
Off-Site Address	501 NICHOLS ROAD								
City	PITTSBERG	State	CA	County	CONTRA COSTA	Zip	94565-	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052092

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. C	1. C	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.): WAD991281767

Off-Site location Name: BURLINGTON ENVIRONMENTAL, INC.

Off-Site Address: 20245 77TH AVENUE SOUTH

City	State	County	Zip	Country (Non-US)
KENT	WA	KING	98032-	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. B	1. C	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes [ ] No [X]
A				
7A.2a	7A.2b: 1 C11, 2 C01, 3 C09, 4 P11, 5 P09, 6 P13, 7 NA, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes [X] No [ ]
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes [ ] No [ ]
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes [ ] No [ ]
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box: 1

and indicate the Part II, Section 6.2/7A page number in this box: 1 (example: 1,2,3, etc)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052093

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	233	170	230	300
8.2	Quantity used for energy recovery onsite	NA	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	NA	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	211000	155400	203000	250000
8.7	Quantity treated offsite	1170	930	1000	1100
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000000.78	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W41	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2001

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	06/24/2002

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable)
a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052095

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7697372

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
NITRIC ACID

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
X																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [ ] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [ ] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 05 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	1005	C	
5.2	Stack or point air emissions	NA [ ]	B	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052096

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290
Off-Site Location Name	GENERAL CHEMICAL
Off-Site Address	501 NICHOLS ROAD

City	PITTSBERG	State	CA	County	CONTRA COSTA	Zip	94565-	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052097

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. B	1. C	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)	WAD991281767
Off-Site location Name	BURLINGTON ENVIRONMENTAL, INC.
Off-Site Address	20245 77TH AVENUE SOUTH

City	KENT	State	WA	County	KING	Zip	98032-	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. B	1. C	1. M40
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C99			7A.1c	7A.1d	7A.1e
A	3 C11	4	NA	5				2	99 %	Yes [X] No [ ]
	6	7		8						
7A.2a	7A.2b	1	C11	2	NA			7A.2c	7A.2d	7A.2e
W	3	4		5				2	100 %	Yes [X] No [ ]
	6	7		8						
7A.3a	7A.3b	1		2				7A.3c	7A.3d	7A.3e
NA	3	4		5					0 %	Yes [ ] No [ ]
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 6.2/7A page number in this box : [1] **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052098

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1600	1110	2000	3000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	1442000	1003800	1300000	1400000
8.7	Quantity treated offsite	510	410	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000000.78	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W49	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2001

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/24/2002

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3 Technical Contact Name: JAMES CLAXTON — Telephone Number (include area code): (503) 219-7313

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

5.2 Parent Company's Dun & Bradstreet Number: NA [X]

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
N511

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
NITRATE COMPOUNDS

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [X]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 03 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		918800	M	NA .
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052101

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
48350	C

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	ORD000005280								
Off-Site Location Name	TPST SOIL RECYCLERS OF OREGON								
Off-Site Address	9333 N. HABORGATE STREET								
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203-	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052102

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. B	1. C	1. M50
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1	C11	2 NA	7A.1c	7A.1d	7A.1e
W	3 4 5 6 7 8	2	0 %	Yes ☐ No ☒
7A.2a	7A.2b: 1 2	7A.2c	7A.2d	7A.2e
NA	3 4 5 6 7 8		0 %	Yes ☐ No ☐
7A.3a	7A.3b: 1 2	7A.3c	7A.3d	7A.3e
	3 4 5 6 7 8		%	Yes ☐ No ☐
7A.4a	7A.4b: 1 2	7A.4c	7A.4d	7A.4e
	3 4 5 6 7 8		%	Yes ☐ No ☐
7A.5a	7A.5b: 1 2	7A.5c	7A.5d	7A.5e
	3 4 5 6 7 8		%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1334000	918800	1400000	1500000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	54800	48360	60000	65000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000000.78	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W58	a. T11	b. NA	c.
8.10.2	NA	a.	b.	c.
8.10.3	NA	a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]
For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2001

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/24/2002

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable)
a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3 Technical Contact Name: JAMES CLAXTON — Telephone Number (include area code): (503) 219-7313

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

5.2 Parent Company's Dun & Bradstreet Number: NA [X]

SCOEPA00052105

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7647010

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [X]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce
- b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 [04] (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	B	C	
5.2	Stack or point air emissions	NA [ ]	3500	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052106

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-Site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008-	Country (Non-US)	

Is location under control of reporting facility or parent company? ☐ Yes ☒ No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052107

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 4100	1. C	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.): TXP490295001

Off-Site location Name: GEM MICROELECTRONIC MATERIALS, LLS

Off-Site Address: 100 US HIGHWAY 287 NORTH

City	State	County	Zip	Country (Non-US)
MANSFIELD	TX	TARRANT	76063-	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. B	1. C	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1: A03, 2: C11, 3: NA, 4: , 5: , 6: , 7: , 8:	7A.1c	7A.1d	7A.1e
A		4	99 %	Yes [ ] No [X]
7A.2a	7A.2b: 1: A03, 2: NA, 3: , 4: , 5: , 6: , 7: , 8:	7A.2c	7A.2d	7A.2e
A		1	99 %	Yes [ ] No [X]
7A.3a	7A.3b: 1: C11, 2: NA, 3: , 4: , 5: , 6: , 7: , 8:	7A.3c	7A.3d	7A.3e
W		3	100 %	Yes [X] No [ ]
7A.4a	7A.4b: 1: , 2: , 3: , 4: , 5: , 6: , 7: , 8:	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1: , 2: , 3: , 4: , 5: , 6: , 7: , 8:	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box : [1] **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052108

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2.3 Off-Site EPA Identification Number (RCRA ID No.)	PAD987283207
Off-Site location Name	AIR LIQUIDE AMERICAN CORP.
Off-Site Address	19 STEEL ROAD WEST

City	MORRISVILLE	State	PA	County	BUCKS	Zip	19067-3698	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 14100	1. C	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2		3	4	5	7A.6c	7A.6d	7A.6e
	6	7		8						%	Yes [ ] No [ ]
7A.7a	7A.7b	1		2		3	4	5	7A.7c	7A.7d	7A.7e
	6	7		8						%	Yes [ ] No [ ]
7A.8a	7A.8b	1		2		3	4	5	7A.8c	7A.8d	7A.8e
	6	7		8						%	Yes [ ] No [ ]
7A.9a	7A.9b	1		2		3	4	5	7A.9c	7A.9d	7A.9e
	6	7		8						%	Yes [ ] No [ ]
7A.10a	7A.10b	1		2		3	4	5	7A.10c	7A.10d	7A.10e
	6	7		8						%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box : [2] **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052109

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	4600	3700	5000	5000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	25000	18200	25000	30000
8.6	Quantity treated onsite	455000	349300	500000	500000
8.7	Quantity treated offsite	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000000.78	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W13	a. T03	b. T11	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 972103676
TRI Fac. ID: 97210-WCKRS-7200N
06/20/2001

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **4** Chemical Report(s) for our facility.
These **4** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	2000	7664393	5-page Form R
HYDROCHLORIC ACID (1995 AND AFTER "ACID	2000	7647010	5-page Form R
NITRIC ACID	2000	7697372	5-page Form R
NITRATE COMPOUNDS	2000	N511	5-page Form R

Our technical point of contact is:

JAMES CLAXTON Phone Number: **(503) 219-7313**

and is available if any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052111

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7664393

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
HYDROGEN FLUORIDE

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
X																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [ ] Produce
- b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [ ] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	212	O	
5.2	Stack or point air emissions	NA [ ]	21	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box: 1
and indicate the Part II, Section 5.3 page number in this box: 1 (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052113

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address		1211 SW 5TH AVENUE					
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)		CAD009142290							
Off-Site Location Name	GENERAL CHEMICAL								
Off-Site Address	501 NICHOLS ROAD								
City	PITTSBERG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052114

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 1170	1. C	1. M61
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C11			7A.1c	7A.1d	7A.1e
A	3 NA	4		5				4	99 %	Yes ☐ No ☒
	6	7		8						
7A.2a	7A.2b	1	C11	2	C01			7A.2c	7A.2d	7A.2e
W	3 C09	4	P11	5	P09			2	100 %	Yes ☒ No ☐
	6 P13	7	NA	8						
7A.3a	7A.3b	1		2				7A.3c	7A.3d	7A.3e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052115

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	175	233	250	300
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	159000	211000	225000	250000
8.7	Quantity treated offsite	0	1170	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W41	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7532
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7647010

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
X																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
a. [X] Produce b. [ ] Import
If produce or import:
c. [ ] For on-site use/processing
d. [ ] For sale/distribution
e. [X] As a byproduct
f. [ ] As an impurity

3.2 Process the toxic chemical:
a. [ ] As a reactant
b. [ ] As a formulation component
c. [ ] As an article component
d. [ ] Repackaging
e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
a. [ ] As a chemical processing aid
b. [ ] As a manufacturing aid
c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	46	C	
5.2	Stack or point air emissions	NA [ ]	4600	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052118

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address		1211 SW 5TH AVENUE					
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479
Off-Site Location Name	BOC GASES
Off-Site Address	1122 NORTH 52ND STREET

City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052119

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 25140	1. C	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.): TXP490295001

Off-Site location Name: GEM MICROELECTRONIC MATERIALS, LLS

Off-Site Address: 100 US HIGHWAY 287 NORTH

City	State	County	Zip	Country (Non-US)
MANSFIELD	TX	TARRANT	76063-	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. C	1. C	1. M61
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1: A03, 2: C11, 3: NA, 4: , 5: , 6: , 7: , 8:	7A.1c	7A.1d	7A.1e
A		4	99 %	Yes [ ] No [X]
7A.2a	7A.2b: 1: A03, 2: NA, 3: , 4: , 5: , 6: , 7: , 8:	7A.2c	7A.2d	7A.2e
A		1	99 %	Yes [ ] No [X]
7A.3a	7A.3b: 1: C11, 2: NA, 3: , 4: , 5: , 6: , 7: , 8:	7A.3c	7A.3d	7A.3e
W		3	100 %	Yes [X] No [ ]
7A.4a	7A.4b: 1: , 2: , 3: , 4: , 5: , 6: , 7: , 8:	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1: , 2: , 3: , 4: , 5: , 6: , 7: , 8:	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 6.2/7A page number in this box : [1] (example: 1,2,3, etc)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052120

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	3500	4600	5000	5000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	25000	50000	50000
8.6	Quantity treated onsite	333500	455000	500000	500000
8.7	Quantity treated offsite	59000	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W13	a. T03	b. T11	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	-

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7532
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
N511

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
NITRATE COMPOUNDS

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
X																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce
- b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 03 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1334000	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box: 1
and indicate the Part II, Section 5.3 page number in this box: 1 (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052123

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
54800	C

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	ORD000005280								
Off-Site Location Name	TPST SOIL RECYCLERS OF OREGON								
Off-Site Address	9333 N. HABORGATE STREET								
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052124

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 1097	1. C	1. M50
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip | - | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	C11	2	NA				7A.1c	7A.1d	7A.1e
W	3	4		5					2	0 %	Yes ☐ No ☒
	6	7		8							
7A.2a	7A.2b	1		2					7A.2c	7A.2d	7A.2e
NA	3	4		5						0 %	Yes ☐ No ☐
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes ☐ No ☐
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes ☐ No ☐
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes ☐ No ☐
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1090000	1334000	1400000	1500000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	54500	54800	60000	65000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W49	a. T11	b. NA	c.
8.10.2	NA	a.	b.	c.
8.10.3	NA	a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY; 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7532
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7697372

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
NITRIC ACID

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [X]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [ ] Produce
- b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [ ] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	1440	C	
5.2	Stack or point air emissions	NA [ ]	140	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052128

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290								
Off-Site Location Name	GENERAL CHEMICAL								
Off-Site Address	501 NICHOLS ROAD								
City	PITTSBERG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052129

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 510	1. C	1. M61
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip - | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 A03, 2 C99, 3 C11, 4 NA, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
A		2	99 %	Yes X / No
7A.2a	7A.2b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
W		2	100 %	Yes X / No
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
NA			%	Yes / No
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes / No
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes / No

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052130

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1200	1600	2000	3000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	1125000	1442000	1500000	1600000
8.7	Quantity treated offsite	0	510	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W49	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	TRI Facility ID Number	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	97210WCKRS7200N	
Street: 7200 NW FRONT AVENUE		Mailing Address:
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676		City/State/Zip Code: Country (Non-US):

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7532
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7647010

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [X]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce
- b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 [04] (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	46	C	
5.2	Stack or point air emissions	NA [ ]	4600	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052133

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-Site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	
Is location under control of reporting facility or parent company?	[ ] Yes	[X] No							

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052134

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 25140	1. C	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.): TXP490295001

Off-Site location Name: GEM MICROELECTRONIC MATERIALS, LLS

Off-Site Address: 100 US HIGHWAY 287 NORTH

City	State	County	Zip	Country (Non-US)
MANSFIELD	TX	TARRANT	76063-	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. C	1. C	1. M61
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
A		4	99 %	Yes [ ] No [X]
7A.2a	7A.2b: 1 A03, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
A		1	99 %	Yes [ ] No [X]
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
W		3	100 %	Yes [X] No [ ]
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 6.2/7A page number in this box : [1] **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	3500	4600	5000	5000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	25000	50000	50000
8.6	Quantity treated onsite	333500	455000	500000	500000
8.7	Quantity treated offsite	59000	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W13	a. T03	b. T11	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)			YES [ ] NO [X]

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

SCOEPA00052136

WACKER
Wacker Siltronic Corporation

June 22, 2001

ER029:JC

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

RE: 2000 Toxic Chemical Release Inventory Form R Reports

Enclosed please find a copy of the toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Included is a signed copy of the submittal letter to the EPCRA Reporting Center and one (1) microcomputer diskette containing the Chemical Reports. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We submitted a total of four (4) Chemical Reports for our facility. The chemicals are reported on the regular Form R, as follows:

Chemical Name	Report Year	CAS Number
Hydrogen Fluoride	2000	007664-39-3
Hydrochloric Acid (Aerosols)	2000	007647-01-0
Nitric Acid	2000	007697-37-2
Nitrate Compounds	2000	N511 (Section 313 Category)

Our technical point of contact is James Claxton who can be contacted at (503) 219-7313 if there should be any questions related to these reports.

Sincerely,

WACKER SILTRONIC CORPORATION

J Claxton

James Claxton,
Environmental Engineer

Enclosures
c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
7200 NW Front Avenue
Portland, OR 97210-3676
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052137

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 972103676
TRI Fac. ID: 97210-WCKRS-7200N
06/20/2001

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **4** Chemical Report(s) for our facility.
These **4** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	2000	7664393	5-page Form R
HYDROCHLORIC ACID (1995 AND AFTER "ACID	2000	7647010	5-page Form R
NITRIC ACID	2000	7697372	5-page Form R
NITRATE COMPOUNDS	2000	N511	5-page Form R

Our technical point of contact is:

JAMES CLAXTON Phone Number: **(503) 219-7313**

and is available if any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052138

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7532
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	7697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.

(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [X]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [X] Ancillary or other use
e. [ ] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	1440	C	
5.2	Stack or point air emissions	NA [ ]	140	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052140

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290
Off-Site Location Name	GENERAL CHEMICAL
Off-Site Address	501 NICHOLS ROAD

City	PITTSBERG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052141

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 510	1. C	1. M61
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip | - | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C99			7A.1c	7A.1d	7A.1e
A	3 C11	4	NA	5				2	99 %	Yes X / No
	6	7		8						
7A.2a	7A.2b	1	C11	2	NA			7A.2c	7A.2d	7A.2e
W	3	4		5				2	100 %	Yes X / No
	6	7		8						
7A.3a	7A.3b	1		2				7A.3c	7A.3d	7A.3e
NA	3	4		5					%	Yes / No
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes / No
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes / No
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1

and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052142

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1200	1600	2000	3000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	1125000	1442000	1500000	1600000
8.7	Quantity treated offsite	0	510	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W49	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY; 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7532
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
N511

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
NITRATE COMPOUNDS

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [X]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 [03] (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1334000	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
54800	C

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	ORD000005280								
Off-Site Location Name	TPST SOIL RECYCLERS OF OREGON								
Off-Site Address	9333 N. HABORGATE STREET								
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052146

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 1097	1. C	1. M50
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 C11 2 NA 3 4 5 6 7 8	7A.1c	7A.1d	7A.1e
W		2	0 %	Yes ☐ No X
7A.2a	7A.2b: 1 2 3 4 5 6 7 8	7A.2c	7A.2d	7A.2e
NA			0 %	Yes ☐ No ☐
7A.3a	7A.3b: 1 2 3 4 5 6 7 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b: 1 2 3 4 5 6 7 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1 2 3 4 5 6 7 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052147

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	1090000	1334000	1400000	1500000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	54500	54800	60000	65000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W49	a. T11	b. NA	c.
8.10.2	NA	a.	b.	c.
8.10.3	NA	a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2000

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/21/2001

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7664393

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
HYDROGEN FLUORIDE

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA [X]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [ ] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [ ] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	212	O	
5.2	Stack or point air emissions	NA [ ]	21	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052150

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address		1211 SW 5TH AVENUE					
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	Off-Site EPA Identification Number (RCRA ID No.)	CAD009142290							
Off-Site Location Name	GENERAL CHEMICAL								
Off-Site Address	501 NICHOLS ROAD								
City	PITTSBERG	State	CA	County	CONTRA COSTA	Zip	94565	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052151

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 1170	1. C	1. M61
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip | Country (Non-US)

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No ☒
A				
7A.2a	7A.2b: 1 C11, 2 C01, 3 C09, 4 P11, 5 P09, 6 P13, 7 NA, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes ☒ No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052152

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	175	233	250	300
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	159000	211000	225000	250000
8.7	Quantity treated offsite	0	1170	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000001.30	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W41	a. T11	b.	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 97210
TRI Fac. ID: 97210WCKRS7200N
06/22/2000

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 Chemical Report(s) for our facility.
These 4 chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
NITRIC ACID	1999	007697372	5-page Form R
NITRATE COMPOUNDS	1999	N511	5-page Form R
HYDROGEN FLUORIDE	1999	007664393	5-page Form R
HYDROCHLORIC ACID (1995 AN	1999	007647010	5-page Form R

Our technical point of contact is:

THOMAS C. MCCUE Phone Number: (503) 219 - 7532

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

WACKER

SCOEPA00052154

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Toxic Chemical Release Inventory
Magnetic Media Submission
EPCRA Reporting Center
PO Box 3348
Merrifield, VA 22116-3348

4a. Article Number
Z 224 641 401

4b. Service Type
☐ Registered ☑ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811**, December 1994 102595-98-B-0229 Domestic Return Receipt

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

Z 224 641 401

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to Toxic Chemical Release Inven EPCRA Reporting Center	
Street & Number PO Box 3348	
Post Office, State, & ZIP Code Merrifield, VA 22116-3348	
Postage	$ .55
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$ 3.20
Postmark or Date	

PS Form 3800, April 1995

SCOEPA00052155

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

Bob Albers
Oregon Emergency Response Comm.
c/o State Fire Marshall
4760 Portland Road, NE
Salem, OR 97305-1760

4a. Article Number
Z 224 641 400

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
6/29/00

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X Susann McCammon

Is your RETURN ADDRESS completed on the reverse side?

Thank you for using Return Receipt Service.

PS Form **3811**, December 1994 102595-98-B-0229 Domestic Return Receipt

Z 224 641 400

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to Bob Albers OR Emergency Response Comm.	
Street & Number 4760 Portland Road, NE	
Post Office, State, & ZIP Code Salem, OR 97305-1760	
Postage	$ .55
Certified Fee	1.40
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.25
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$ 3.20
Postmark or Date	JUN 28 2000

PORTLAND MAIN OFFICE STA. USPS

PS Form **3800**, April 1995

SCOEPA00052156

Wacker Siltronic Corporation

ER 034

EPCRA Reporting Center w/Disk
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 97210
TRI Fac. ID: 97210WCKRS7200N
06/22/2000

Disk Also sent to Rob Albers ORstate Fire Marshall's office

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 Chemical Report(s) for our facility.
These 4 chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
NITRIC ACID	1999	007697372	5-page Form R
NITRATE COMPOUNDS	1999	N511	5-page Form R
HYDROGEN FLUORIDE	1999	007664393	5-page Form R
HYDROCHLORIC ACID (1995 AN	1999	007647010	5-page Form R

Our technical point of contact is:

THOMAS C. MCCUE Phone Number: (503) 219 - 7532

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

WACKER

SCOEPA00052157

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1999

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret? [ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
[illegible]KER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: THOMAS C. MCCUE — Telephone Number (include area code): (503) 219 - 7532

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Minutes	Seconds	Longitude Degrees	Minutes	Seconds
045	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

Parent Company's Dun & Bradstreet Number: NA [X]

SCOEPA00052158

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	159	O	
5.2	Stack or point air emissions	NA [ ]	16	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground Injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052159

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052160

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No ☒
A				
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 3	7A.2d: 100 %	7A.2e: Yes ☒ No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1]

and indicate the Part II, Section 6.2/7A page number in this box : [1] (example: 1,2,3, etc)

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052161

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	980	175	200	200
8.2	Quantity used for energy recovery onsite	0	0	0	0
	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	160000	159000	210000	250000
8.7	Quantity treated offsite	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.25	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W41	a. T01	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052162

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]
For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1999

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
[redacted]KER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: THOMAS C. MCCUE — Telephone Number (include area code): (503) 219 - 7532

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

Parent Company's Dun & Bradstreet Number: NA [X]

SCOEPA00052163

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	160	O	
5.2	Stack or point air emissions	NA [ ]	3371	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground Injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052164

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479						
Off-Site Location Name	BOC GASES						
Off-Site Address	1122 NORTH 52ND STREET						
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008-

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052165

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 58980	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C11			7A.1c	7A.1d	7A.1e
A	3 NA	4		5				4	99 %	Yes ☐ No ☒
	6	7		8						
7A.2a	7A.2b	1	A03	2	NA			7A.2c	7A.2d	7A.2e
A	3	4		5				1	99 %	Yes ☐ No ☒
	6	7		8						
7A.3a	7A.3b	1	C11	2	NA			7A.3c	7A.3d	7A.3e
W	3	4		5				3	100 %	Yes ☒ No ☐
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1]

and indicate the Part II, Section 6.2/7A page number in this box : [1] (example: 1,2,3, etc)

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052166

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				
6.	**7.**	**8.**	**9.**	**10.**

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	2200	3500	3600	3600
8.2	Quantity used for energy recovery onsite	0	0	0	0
	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	210000	333500	350000	400000
8.7	Quantity treated offsite	37000	59000	60000	60000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.25	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W13	a. T01	b. T03	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)		X

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052167

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1999

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	TRI Facility ID Number	Facility or Establishment Name or Mailing Address(if different from street address)
[redacted]KER SILTRONIC CORP.	97210-WCKRS-7200N	
Street: 7200 NW FRONT AVENUE		Mailing Address: P.O. BOX 83180
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-		City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: THOMAS C. MCCUE — Telephone Number (include area code): (503) 219 - 7532

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

[redacted] Parent Company's Dun & Bradstreet Number: NA [X]

SCOEPA00052168

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	1126	O	
5.2	Stack or point air emissions	NA [ ]	113	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		2	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground Injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052169

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box 1 **and indicate the Part II, Section 6.1 page number in this box** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052170

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
A		3	99.5 %	Yes ☐ No ☒
7A.2a	7A.2b: 1 C99, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
W		1	7 %	Yes ☐ No ☒
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
W		2	100 %	Yes ☒ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1]

and indicate the Part II, Section 6.2/7A page number in this box : [1] (example: 1,2,3, etc)

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052171

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	8500	1239	2000	3000
8.2	Quantity used for energy recovery onsite	0	0	0	0
	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	1400000	1125000	1300000	1600000
8.7	Quantity treated offsite	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.25	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W41	a. T01	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) YES [ ] NO [X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052172

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1999

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
KER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3	Technical Contact Name: THOMAS C. MCCUE	Telephone Number (include area code): (503) 219 - 7532
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
045	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052173

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [ ] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	02 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1035600	C	NA .
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground Injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc.)**

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052174

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
54500	C

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] **and indicate the Part II, Section 6.1 page number in this box** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	Off-Site EPA Identification Number (RCRA ID No.)	NA					
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number: 97210-WCKRS-7200N

Toxic Chemical, Category or Generic Name: NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 C11 2 NA; 3 4 5; 6 7 8	7A.1c	7A.1d	7A.1e
W		2	0 %	Yes ☐ No X
7A.2a	7A.2b: 1 2 3 4 5 6 7 8	7A.2c	7A.2d	7A.2e
NA			%	Yes ☐ No ☐
7A.3a	7A.3b: 1 2 3 4 5 6 7 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b: 1 2 3 4 5 6 7 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1 2 3 4 5 6 7 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box: 1

If indicate the Part II, Section 6.2/7A page number in this box: 1 (example: 1,2,3, etc)

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052176

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	1300000	1090000	1200000	1400000
8.2	Quantity used for energy recovery onsite	0	0	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	68000	54500	63000	76000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.25	

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W41	a. T01	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)		YES [ ]	NO [X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, ...cting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052177

1999 TRI Reporting Overview

Information Sources for 1999

- 1999 TRI Overview (this document)
- Toxic Chemical Release Inventory Reporting Forms and Instructions, Revised 1999 Version, EPA 745-B-00-001, February 2000
- ATRS99 Automated TRI Reporting Software, EPA-745-K-00-001
- 1999 Chemical usage data (1999 Chemical Usage.xls)
- Material safety data sheets for
  - ⇒ ethylene glycol
  - ⇒ ammonium hydroxide and products containing aqueous ammonia
  - ⇒ hydrochloric acid
  - ⇒ hydrogen chloride
  - ⇒ trichlorosilane
  - ⇒ hydrofluoric acid
  - ⇒ sulfuric acid
  - ⇒ nitric acid and nitrate compounds
  - ⇒ aluminum etch
  - ⇒ wright etch
  - ⇒ products containing other TRI chemicals (*i.e.,* Skyliquid, containing toluene; Potassium Dichromate, Seiter and Secco etch solutions containing chromium compounds)
  - ⇒ Mercury
- 1999 TRI chemical consumption data (threshold calculations.xls)
- 1999 Wafer Production Data and 2000 Projections (Confidential)
- Release of Mineral Acids via the NPDES System (acid discharges.xls)
- 1999 NPDES Discharge Monitoring Reports
- Control Area Gas and Chemical Code Matrix - Fab 1, created by IDC for A. Heiman, 1 July 1996
- Fabs 1 & 2 Acid Etch information from Matthew McGee and Toby Potter, respectively (Fab 1 Acid Etch Bath and Day Tank Info.doc & Fab 2 Acid Etch HF & HNO3 Amounts.xls)

SCOEPA00052178

- Scrubber performance information

  - ⇒ Fab 2 EPI Reactor Scrubber Criteria, Fax from N. Frederick to D. Schoenstein, 19 July 1995.
  - ⇒ Response to EPI Reactor Scrubber RFQ (Fab 2), from Airgard Inc. to M. Johnsgard, 26 July 1995
  - ⇒ NOx Scrubber Specification and Purchasing Agreement, Capital No. C27006, 25 March 1993
  - ⇒ NOx Scrubber System Evaluation, from IDC to Wacker Siltronic, 11 September 1989
  - ⇒ Contract Documents for the Purchase of Fab 2 Process Fume Scrubber (HPM), Project No. 2873, from IDC to Wacker Siltronic, 15 March 1995
  - ⇒ Exhaust Fan Test Report, Fab 1 Final Cleaning Scrubber, 8 November 1994
  - ⇒ Testing and Adjusting Data on Package 5 Fume Scrubber, Fab 1 Epitaxy Scrubber, 28 October 1996 (For the cabinets rather than the process flows)
  - ⇒ Scrubber Data Sheet & Recommended Spare Parts List, Fab 1 Acid Etch Scrubber, 3 September 1992
  - ⇒ Section 8, Final Cleaning Scrubber Data Sheet
  - ⇒ EPI HPM Scrubber Data Sheet

- Air Contaminant Discharge Permit No. 26-3002, issued to Wacker by DEQ on 11 October 1995

- 1999 Air Emissions Report

- 1996, 1997,& 1998, Toxics Release Inventory Reports and related materials

- Emergency Planning and Community Right-to-Know Section 313 Guidance for Semiconductor Manufacturing, EPA 745-R-99-007, July 1999

- Emergency Planning and Community Right-to-Know Section 313 Guidance for Sulfuric Acid Aerosols, EPA 745-R-97-007, November 1997

- Emergency Planning and Community Right-to-Know Section 313 Guidance for Hydrochloric Acid Aerosols, EPA 745-B-99-014, December 1999

- Emergency Planning and Community Right-to-Know Section 313 Guidance for Reporting Aqueous Ammonia, EPA 745-R-95-012, July 1995

- Toxics Release Inventory List of Toxic Chemicals within the Water Dissociable Nitrate Compounds Category and Guidance for Reporting, EPA 745-R-99-008, June 1999

- Electronic versions of:

  - ⇒ 1999 TRI Overview (this document)
  - ⇒ 1999 Chemical Usage.xls - chemical consumption and stock data
  - ⇒ threshold calucalations.xls – 1999 TRI chemical consumption data
  - ⇒ acid discharges.xls - Release of Mineral Acids via the NPDES System
  - ⇒ epi scrubber HCl.xls - Estimate of HCl Influent Concentration to Fab 2 Epitaxy Scrubbers

Threshold and Activity Determinations

Review 1999 TRI materials from EPA to identify changes from previous years:

- No significant changes affecting Wacker except for reduced aerosol reporting

SCOEPA00052179

Review 1996 & 1997 TRI threshold calculations and reports in order to:

- Identify TRI chemicals in previous years used at significant levels (> or = 1,000 lb) at Wacker:

  ⇒ Ammonium Hydroxide (aqueous ammonia) (1996 & 1997)
  ⇒ Ethylene Glycol (1996 & 1997)
  ⇒ Hydrofluoric Acid (1996 & 1997)
  ⇒ Hydrogen Chloride$_{(g)}$ (1996 & 1997)
  ⇒ Hydrochloric Acid$_{(aq)}$ (1996 & 1997)
  ⇒ Trichlorosilane (reacts to form HCl) (1996 & 1997)
  ⇒ Nitric Acid (1996 & 1997)
  ⇒ Water Dissociable Nitrate Compounds (1996 & 1997)
  ⇒ Sulfuric Acid (1996 & 1997)
  ⇒ Toluene (1997)
  ⇒ Chromium Compounds (1999)

Screen material safety data sheets in the File Magic system for each of the above chemicals.

Review 1999 consumption data in 1999 Chemical Usage.xls and 1996, 1997, 1998 methods for utilizing data in order to determine:

- TRI category
- Quantity of chemical used in 1999

Print material safety data sheets that include the above chemicals, if they were consumed in 1999.

Ammonia (7664-41-7) 20,554 lb NH_4OH used

- 189 drums, 375-pound each of 28-30% aqueous ammonium hydroxide were used to clean ingots and/or wafers:

  9,987 lb $NH_{3\,(aq)}$ = [(189 drums) × (375 lb/drum) × (0.29 lb NH_4OH/lb $NH_4OH_{(aq)}$)] × (0.4859 lb NH_3/lb NH_4OH)

- 1035 drums, 200-kilogram each of Glanzox 3900 polishing slurry containing a maximum of 2% ammonia in solution :

  4,554 lb $NH_{3\,(aq)}$ = [(1035 drums) × (200 kg/drum) × (2.2 lb/kg) × (0.01 lb NH_3/lb Glanzox)]

- 30 drums, 200-kilogram each of Glanzox 3950 containing 5% ammonia in solution:

  660 lbs. NH_3 (aq) = (30 drums x 200 kg/drum x 2.2 lb/kg x 0.05 lb NH_3/lb Glanzox

- 18 drums, 200 kilogram each of Fujimi RD 99008 Intermediate Slurry Premix containing 1% ammonia

  79 lbs. NH_3 = (18 x 200 kg x 2.2 kg/lb x 0,01 lb NH_3/lb slurry)

Because the NH_3 is aqueous, only 10% is reportable (see Page 4 of EPA 745-R-95-012):

1,528 lb $NH_{3(reportable)}$ = [(9,987 + 4,554 + 660 + 79) lb $NH_{3(aq)}$] × (0.1 lb $NH_{3(reportable)}$/lb $NH_{3(aq)}$)

The reportable quantity of ammonia for 1999 is 1,528 pounds. This is well below the TRI otherwise use threshold of 10,000 pounds.

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Ethylene Glycol (107-21-1)

- No ethylene glycol was used as a suspension agent in 1999 due to chemical substitution.

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Hydrogen Fluoride (7664-39-3)

All of the hydrofluoric acid is used to etch or clean silicon (otherwise use).

- 103 drums, 500-pound each of 49% hydrofluoric acid were used in 1999:

  25,235 lb HF = (103 drums) × (500 lb/drum) × (0.49 lb HF/lb acid)

- 190,598 pounds of 49% bulk hydrofluoric acid were used in 1999:

  93,393 lb HF = (190,598 lb acid) × (0.49 lb HF/lb acid)

- 62,152 pounds of 60% bulk hydrofluoric acid were used in 1999:

  37,291 lb HF = (62,152 lb acid x 0.60 lb HF/lb acid)

- 970 bottles, 2-liter each of 50% hydrofluoric acid were used in 1999:

  2,566 lb HF = (970 bottles) × (2 l acid/bottle) × (1.2 g acid/ml acid) × (1000 ml/l) × (1 lb/453.6 g) × (0.5 lb HF/lb acid)

- 495 bottles, ½ liter of 25% Hydrofluoric Acid were used in 1999:

  150 lbs HF = 495 bottles x 0.5 l. x 1.1 g acid/ml x 1000ml/l. x 1 lb/ 453.6 g x 0.25 lb HF/lb acid

- 48 gallons of Wright Etchant (12% HF) were used in 1999:

  54 lb HF = (48 gal. etch) × × (8.34 lb/gal) × (1.12 spgr) × (0.12 lb HF/lb etch)

The reportable quantity of hydrofluoric acid used in 1999 is 158,689 pounds
This is well above the TRI otherwise use threshold of 10,000 pounds.

Hydrochloric Acid Aerosols (7647-01-0) 266,546 lbs HCl used

Only the aerosol forms of HCl are reportable. This includes:

⇒ $HCl_{(g)}$ used for cleaning wafers in Epitaxy (otherwise use)
⇒ HCl vapor/mist from the acid baths to the acid scrubbers (manufacture)
⇒ HCl vapor/mist from UPW system regeneration process (manufacture)
⇒ $HCl_{(g)}$ generated from the reaction of trichlorosilane and hydrogen gas (manufacture)

- 3932 cylinders of hydrogen chloride gas were used in 1999:

  235,920 lb $HCl_{(g)}$ = (3932 cylinders) × (60 lb HCl/cylinder)

- 138, 55-gallon drums and 599, 10-pound bottles of aqueous hydrochloric acid (37%) were used in 1999. Of this quantity, it has been assumed that 1% of the hydrochloric acid in baths went to the scrubbers as a vapor/mist[1]:

  30,322 lb $HCl_{(aq)}$ = [(138 drums acid) × (55 gal acid/drum) × (8.34 lb/gal) × (1.2 spgr) × (0.37 lb HCl/lb acid)] + [(599 bottles acid) × (10 lb acid/bottle) × (0.37 lb HCl/lb acid)]

[1] Assumption used in the current Air Contaminant Discharge Permit.

SCOEPA00052182

304 lb $HCl_{(aerosol)}$ = (30,401 lb $HCl_{(aq)}$) × (0.01 lb $HCl_{(aerosol)}$/lb $HCl_{(aq)}$)

No HCl was delivered to the UPW tank in 1999

- 370 cylinders, 550-pounds each of trichlorosilane were used in 1999. Trichlorosilane reacts with hydrogen gas and water to produce a hydrochloric acid mist/vapor. Based on the stoichiometry of the expected reaction [insert reaction], 3 moles of hydrochloric acid are produced from each mole of trichlorosilane:

  164,332 lb $HCl_{(aerosol)}$ = (370 cyl) × (550 lb $SiHCl_3$/cyl) × (453.6 g/lb) × (mole $SiHCl_3$/135.45 g) × (3 mole HCl/mole $SiHCl_3$) × (36.46 g/mole HCl) × (lb/453.6 g)

The reportable quantity of hydrochloric acid aerosol used in 1999 is 235,920 pounds. This is well above the TRI otherwise use threshold of 10,000 pounds.

The reportable quantity of hydrochloric acid aerosol manufactured in 1999 is 160,129 pounds plus UPW uses. This is above the TRI manufacture threshold of 25,000 pounds.

Nitric Acid (7697-37-2)

All of the nitric acid is used to etch silicon (otherwise use).

- 31 drums, 575-pounds each of 70.5% nitric acid were used in 1999:

  12,567 lb HNO_3 = (31 drums acid) × (575 lb/drum) × (0.705 lb HNO_3/lb acid)

- 1,579,336 pounds of 70.5% bulk nitric acid were used in 1999:

  1,113,432 lb HNO_3 = (1,579,336 lb acid) × (0.705 lb HNO_3/lb acid)

- 10, ½-liter bottlesof 69% nitric acid and 3, ½ liter bottles of 55% nitric acid were used in 1999:

  13.3 lb HNO_3 = (10 bottles acid) × (0.5 l/bottle) × (1 gal/3.785 l) × (8.34 lb/gal) × (1.41 spgr) × (0.69 lb HNO_3/lb acid) + [(3 bottles acid) × (0.5 l/bottle) × (1 gal/3.785 l) × (8.34 lb/gal) × (1.41 spgr) × (0. 0.55 lb HNO_3/lb acid)]

- 24 gallons of Aluminum Etchant 16-1-1-2 (0.1-5% HNO_3) were used in 1998:

  8 lb HNO_3 = (24 gal) × (8.34 lb/gal) × (1.6 spgr) × (0.0255 lb HNO_3/lb etch)

- 48 gallons of Wright Etchant (8% HNO_3) were used in 1998:

  36 lb HNO_3 = (48 gal.) × (8.34 lb/gal) × (1.12 spgr) × (0.08 lb HNO_3/lb etch)

The reportable quantity of nitric acid used in 1999 is 1,126,055 pounds (plus aluminum etch). This is well above the TRI otherwise use threshold of 10,000 pounds.

SCOEPA00052183

Sulfuric Acid Aerosols (7664-93-9)

Only the aerosol forms of H_2SO_4 are reportable.

- 126,820 pounds of 93% bulk sulfuric acid 18 drums, 750-pound each, No deliveries of 36% bulk sulfuric acid, 8 gallons of 50% sulfuric acid, 56 gallons of 25% sulfuric acid, and 64 bottles, 4 liters each of 0.1 normal sulfuric acid were used in 1999. Assume, conservatively, that 1% of the aqueous quantity becomes an aerosol. The TRI category for the sulfuric acid is manufacture because the aerosol is produced in a storage tank as a byproduct of waste treatment. No aerosols are produced from wafer manufacturing processes or use in scrubbers per EPA 745-R-97-007, Nov. 1997.

  117,943 lb $H_2SO_{4(aq)}$ = [(126,820 lb acid) × (0.93 lb H_2SO_4/lb acid)]

  1,179 lb $H_2SO_{4(aerosol)}$ = (117,943 lb $H_2SO_{4(aq)}$) × (0.01 lb $H_2SO_{4(aerosol)}$/lb $H_2SO_{4(aq)}$)

The reportable quantity of sulfuric acid aerosol manufactured in 1999 is 1,179 pounds. This is well below the TRI manufacture threshold of 25,000 pounds.

Toluene (108-88-3)

- 3303, 2-liter bottles of Skyliquid HF4011, containing 20% toluene were used in 1998:

  2,626 lb Toluene = [(3303 bottles) × (2 l/bottle) × (gal/3.785 l) × (8.34 lb/gal) × (0.902 spgr) × (0.2 lb toluene/lb HF4011)]

- A degreaser and relatively small amounts of a lubricant and an adhesive containing between 5 and 35% toluene were used in 1998:

  1 lb Toluene = toluene contained in degreaser, lubricant, and adhesive products

The reportable quantity of toluene used in 1999 is 2,626 pounds. This is below the TRI otherwise use threshold of 10,000 pounds.

Chromium Compounds

- 580 gallons of Seiter Etch (Chromium Trioxide solution, spgr = 1.295), 50% Chromic Acid

  3,132 lbs CrO_3 = (580 gal acid) x (8.34 lb/gal) x (1.295 spgr) x (0.5 lb CrO_3/lb acid)

- 480 galons of Secco Etch (Potassium Dichromate solution. spgr = 1.020), 5% Potassium Dichromate

  204 lbs $K_2Cr_2O_7$ = (480 gal acid) x (8.34 lb/gal) x (1.020 spgr) x (0.05 lb $K_2Cr_2O_7$/ lb acid)

- 48 gallons of Wright Etch (Chromium Trioxide, spgr = 1.12), 6% Chromic Acid

  27 lbs CrO_3 = (48 gal acid) x (8.34 lb/gal) x (1.12 spgr) x (0.06 lb CrO_3/lb acid)

The reportable quantity of Chromium Compounds used in 1999 is 3,363 pounds. This is below the TRI otherwise used category of 10,000 pounds.

Water Dissociable Nitrate Compounds

The following products found in the File Magic database contain water dissociable nitrate compounds:

SCOEPA00052184

Product & Chemical Names	Nitrate Containing Component	Amount Used in 1999
Wright Etch MSDS #2788	Nitric Acid, 8% Cupric Nitrate $Cu(NO_3)_2$ spgr 1.12 3251-23-8 1 percent	48 gallons solution
Tool Black MSDS #2725	Cupric Nitrate $Cu(NO_3)_2 \bullet H_2O$ spgr 1.045 10031-43-3 <4 percent	None found in 1999 Chemical Usage.xls
Lanthanum Nitrate (anhydrous) MSDS #2354	$La(NO_3) \bullet 3.5H_2O$ 10099-59-9 spgr N/A 100 percent	None found in 1999 Chemical Usage.xls

SCOEPA00052185

Bio-Trol 91W MSDS #2010	Magnesium Nitrate 10377-60-3 spgr 1.107 2-5 percent	None found in 1999 Chemical Usage.xls
Ref Electrode Fill Solution MSDS #2556	Potassium Nitrate KNO_3 Spgr 1.06 17.1 percent	One Liter delivered from VWR 1999 Chemical Usage.xls
Potassium, 1000 ug/ml MSDS #2868	Potassium Nitrate KNO_3 Spgr 1.00 <1 percent	De Minimis Exemption
Five Anion Standard MSDS #2226	Sodium Nitrate 7631-99-4 spgr 1 0.014 percent	De Minimis Exemption
Copper Standard Solution MSDS #2101	Copper Nitrate 3251-23-8 spgr 0.989 <1 percent	De Minimis Exemption
Ferric Nitrate Solution MSDS #2219	Ferric Nitrate Solution $Fe(NO_3)_3$ 10421-48-4 spgr 1.47 mwt 241.87 44-48 percent	None found in 1999 Chemical Usage.xls

41 lbs. NO_3 cpds = (48 gal write etch) x (8.34 lb/gal) x (1.295 spgr) x (0.08 lb HNO_3/lb acid)

The reportable quantity of water dissociable nitrate compounds used in 1999 is 0 pounds.

However, water dissociable nitrate compounds are manufactured when HNO_3 is neutralized. The amount of HNO_3 that is neutralized is calculated as follows:

lb HNO_3 neutralized = (lb HNO_3 used) - (lb HNO_3 stack emissions) - (lb HNO_3 reacted and emitted as NOx from NOx Scrubber)

[Assuming all NOx comes from HNO_3 and all NOx is NO_2: 17,256 lb HNO_3 reacted and emitted as NOx from NOx Scrubber = (12,673 lb NOx emitted) × (1 mole NOx/46 lb NOx) × (63 lb HNO_3/1 mole HNO_3)]

1,107,673 lb HNO_3 neutralized = (1,126,055 lb HNO_3 used) - (1,126 lb HNO_3 fugitive emissions) - - (17,256 lb HNO_3 reacted and emitted as NOx from NOx Scrubber)

Assuming all HNO_3 is neutralized with $Ca(OH)_2$ (CAD gets $Ca(OH)_2$; No known sources in WAD & OWW): 1,441,733 lb $Ca(NO_3)_2$ manufactured = (1,107,673 lb HNO_3) × (1 mole $Ca(NO_3)_2$/2 moles HNO_3) × (164 lb $Ca(NO_3)_2$/mole) × (1 mole/63 lb HNO_3)

For threshold determination, the quantity of water dissociable nitrate compounds manufactured in 1999 is 1,441,733 pounds. This is well above the TRI manufacture threshold of 25,000 pounds. However, the reportable quantity of water dissociable nitrate compounds includes only the NO_3 ion portion:

1,090,091 lb NO_3 reportable = 1,441,733 lb $Ca(NO_3)_2$) × (2 × 62 g NO_3/mole) ÷ (164 g $Ca(NO_3)_2$/mole)

SCOEPA00052186

1999 TRI Threshold Summary Table

Threshold Exceeded	Chemical	Use(s)	TRI Category	Reportable Quantity
Yes	Nitric Acid	Etching silicon wafers & ingots	Otherwise Use	1,126,055 lb
Yes	Water Dissociable Nitrate Compounds	By product of wastewater treatment (nitric acid neutralization)	Manufacture	1,090,091 lb (1,441,733 lb threshold)
Yes	Hydrofluoric Acid	Etching and cleaning silicon wafers & ingots	Otherwise Use	158,689 lb
Yes	Hydrogen Chloride Gas	Cleaning silicon wafers & ingots	Otherwise Use	235,920 lb
Yes	Hydrochloric Acid Aerosols	By product of acid baths & by product of reaction of $SiHCl_3$	Manufacture	160,129 lb
No	Ethylene Glycol	Polishing silicon wafers & cooling	Otherwise Use	0 lb
No	Sulfuric Acid Aerosols	By product of wastewater treatment & miscellaneous uses	Manufacture	1,179 lb
No	Ammonia	Cleaning silicon wafers & ingots	Otherwise Use	1,528 lb (10% of aqueous amount)
No	Chrome Cpds	Chromic Etching	Otherwise Use	3,363
No	Toluene	Wax & miscellaneous uses	Otherwise Use	2,626 lb

SCOEPA00052187

Chemical Specific Information

Maximum Amount On-Site in 1999 (Section 4)

Bulk Acid Storage Tanks

	Material/MSDS Number	Maximum Capacity	Pounds of Material
Fab 1			
HF (2 tanks)	5407351/2298	45,000 lb	45,000
HNO_3 (2 tanks)	5407353/2431	66,000 lb	66,000
Fab 2			
HCl Tank	UPW[3]	5,000 gal	18,515
HF Tank-1	5407351/2298	4,000 gal	40,032
HF Tank-2	5407351/2298	4,000 gal	40,032
HNO_3 Tank-1	5407353/2431	4,000 gal	47,371
HNO_3 Tank-2	5407353/2431	4,000 gal	47,371

Etching Baths & Day Tanks

	Concentration	Max Volume	Pounds of Acid
Fab 1			
HCl (RODI)	37%[3]	200 gal	741 lb
HF Day Tank	49%	190 liters	246 lb
HF Process Tanks/Baths	49%	111 liters	144 lb
HNO_3 Day Tank	70.5%	190 liters	418 lb
HNO_3 Process Tanks/Baths	70.5%	920 liters	2,026 lb
Fab 2			
HCl (UPW)	37%[2]	500 gal	1,851 lb
HF Day Tank	60%	113 liters	179 lb
HF Process Tanks/Baths	60%	59 liters	93 lb
HNO_3 Day Tank	70.5%	113 liters	249 lb
HNO_3 Process Tanks/Baths	70.5%	774 liters	1,705 lb
Total HF			**662 lb**
Total HNO_3			**4,398 lb**

[2] In 1999, specification changed from 37% to 30% HCl.

SCOEPA00052188

Pounds of acid calculated as follows:

lb of HF = (l of 49% HF acid) × (1.2 kg/l acid) × (2.2 lb/kg) × (0.49 lb HF/lb acid)
lb of HNO_3 = (l of 70.5% HNO_3 acid) × (1.42 kg/l acid) × (2.2 lb/kg) × (0.705 lb HNO_3/lb acid)

From *Perry's Chemical Engineers' Handbook*: density of 49% HF and 37% HCl is 1.2 g/ml
From MSDS for HNO_3, specific gravity is 1.42

Hydrogen Fluoride

The maximum quantity of HF on-site will be based on the maximum capacity of the HF bulk acid storage tanks, the capacity of the maximum number of individual containers containing HF stored at one time, and the capacity and HF concentration of the waste water forwarding sumps. Since all process areas using HF discharge to the sumps, it is assumed that HF located in process areas is accounted for in the sumps.

70,088 lb of bulk HF = (45,000 lb) × (0.49 lb HF/lb acid) + [(40,032 lb + 40,032 lb) x 0.6 lb HF/lb acid]

Maximum HF containers on-site: 8, 55-gallon drums
70, 1-liter bottles
40, ½-liter bottles

2,209 lb of containerized HF = [(8 drums acid) × (55 gal/drum) × (3.785 l/gal) × (1.2 kg/l acid) × (2.2 lb/kg) × (0.49 lb HF/lb acid)] + [(70 bottles) × (1 l acid/bottle) × (1.1 g acid/ml acid) × (1000 ml/l) × (1 lb/453.6 g) × (0.25 lb HF/lb acid)] + [(40 bottles) × (0.5 l acid/bottle) × (1.1 g acid/ml acid) × (1000 ml/l) × (1 lb/453.6 g) × (0.25 lb HF/lb acid)]

The concentrated acid forwarding sumps have the following volumes:

- Fab 1 (CAD): 10,000 gal
- Fab 2 (CAD): 16,000 gal
- Fab 2 (CAED): 8,000 gal

The concentration of fluoride ions in the CAD waste water range from 300 to 500 ppm[3]. The concentration of HF in the CAED should be the same as in the etching baths (approx. 6% per Fab 2 Acid Etch HF & HNO3 Amounts.xls).

93,430 moles HF in forwarding sumps = [((10,000 + 16,000) gal) × (3.785 l/gal) × (500 mg F/l) × (g/1000 mg) × (mole F/18.9984 g F) × (mole HF/mole F)] + [(8,000 gal) × (3.785 l/gal) × (1.0 kg/l) × (0.06 kg HF/kg acid) × (1,000 g/kg) × (mole HF/20.0 g HF)]

4,111 lb HF in forwarding sumps = (93,430 moles HF) × (20.0 g/mole HF) × (kg/1000 g) × (2.2 lb/kg)

The maximum quantity of HF = 70,088 lb + 2,209 lb + 4,111 lb + 386 lb = 76,794 lb HF

Range code = 04

[3] Verbal report by Tom Rothschild to Michael Sutton on 31 July 1997.

SCOEPA00052189

Hydrogen Chloride Aerosol

The maximum quantity of $HCl_{(aerosol)}$ on-site will be the sum of the $HCl_{(g)}$ in the cylinders and $HCl_{(aerosol)}$ in the air handling and scrubber systems:

$HCl_{(g)}$ maximum on-site = 70 cylinders

4,200 lb $HCl_{(g)}$ maximum on-site = (70 cylinders) × (60 lb $HCl_{(g)}$ /cylinder)

Since $HCl_{(aerosol)}$ is manufactured in the trichlorosilane-hydrogen reaction, consider maximum trichlorosilane on-site and amount used in 1998:

trichlorosilane maximum on-site = 12 cylinders
trichlorosilane used in 1998 = 356 cylinders

Assume 1 cylinder is in the process of reacting and exhausting to air handling and scrubber systems at any one time.

888 lb $HCl_{(aerosol)}$ = (2 cyl) × (550 lb $SiHCl_3$/cyl) × (453.6 g/lb) × (mole $SiHCl_3$/135.45 g) × (3 mole HCl/mole $SiHCl_3$) × (36.46 g/mole HCl) × (lb/453.6 g)

The maximum quantity of $HCl_{(aerosol)}$ = 4,200 lb + 888 lb = 5,088 lb $HCl_{(aerosol)}$

The amount of $HCl_{(aerosol)}$ manufactured from $HCl_{(aq)}$ in the air handling and scrubbing systems is not included in this estimate. The concentrations are low, the air flows very high, and the total quantity of $HCl_{(aerosol)}$ will be low compared to what is in the gas cylinders and what is manufactured from the trichlorosilane-hydrogen reaction. The reason for this is that the 381 pounds of $HCl_{(aerosol)}$ manufactured from $HCl_{(aq)}$ is diluted by a year's worth of air flow. So, the amount in the system at any one time will be insignificant.

Range code = 03

Nitric Acid

The maximum quantity of HNO_3 on-site will be based on the maximum capacity of the HNO_3 bulk acid storage tanks, the capacity of the maximum number of individual containers containing HNO_3 stored at one time, and the capacity and HNO_3 concentration of the waste water forwarding sumps. Since all process areas using HNO_3 discharge to the sumps, it is assumed that HNO_3 located in process areas is accounted for in the sumps.

113,323 lb of bulk HNO_3 = (66,000 lb + 47,371 lb + 47,371 lb) × (0.705 lb HNO_3/lb acid)

2,292 lb of containerized HNO_3 = (5 drums acid) × (55 gal/drum) × (3.785 l/gal) × (1.42 kg/l acid) × (2.2 lb/kg) × (0.705 lb HNO_3/lb acid)

The ratio of HF to HNO_3 in the acid baths that feed the forwarding sumps is typically 1:12.[4]

RECALC.

49,332 lb HNO_3 in forwarding sumps = (4,111 lb HF in forwarding sumps) × (12 lb HNO_3/lb HF)

[4] Control Area Gas and Chemical Code Matrix - Fab 1, created by IDC for A. Heiman, 1 July 1996. Confirmed by Toby Potter to Susan Mulholland on 23 June 1998.

SCOEPA00052190

The maximum quantity of HNO_3 = 113,323 lb + 2,292 lb + 49,332 lb + 2,964 lb = 167,911 lb HNO_3

Range code = 05

Water Dissociable Nitrate Compounds

The maximum quantity of water dissociable nitrate compounds on-site will be the sum of the NO_3 in the waste water forwarding sumps. This can be calculated using the maximum quantity of wastewater in the CAD treatment system times the concentration of nitrate in the wastewater:

393 lbs Nitrate = (430,000 gal) x (3.785 l/gal) x (415.49 mg NO_3/l) ÷ (453600 mg/lb)

Range code = 02

Ethylene Glycol

No ethylene glycol was used in 1999. Chiller equipment in Fab 1 contains an ethylene glycol based solution which did not result in additional usage during the year.

Range code = 0

Fugitive Emissions (Section 5.1)

Fugitive emissions include (1) equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, etc.; (2) evaporative losses from surface impoundments (or open top tanks) and spills; (3) releases from building ventilation systems; and (4) any other fugitive or non-point air emissions (see page 31 of EPA 745-K-99-001). We use an engineering estimate that 0.1% of each acid used will be released as fugitive emissions.[5] Fugitive emissions are calculated by multiplying the reportable annual quantity of each acid by 0.001.

All of the fugitive emission estimates are based on best engineering judgement (basis of estimate code = O).

Hydrogen Fluoride

159 lb $HF_{(fugitive)}$ = (158,689 lb HF used) x (0.001 lb $HF_{(fugitive)}$/lb HF used)

Hydrogen Chloride Aerosol

Fugitive emissions of $HCl_{(g)}$ from the epitaxy processes are assumed to be zero because of the stringent design and operation requirements. The only fugutive emissions for HCl will be from the $HCl_{(aerosol)}$.

160 lb $HCl_{(fugitive)}$ = (160,129 lb $HCl_{(aerosol)}$ manufactured) x (0.001 lb $HCl_{(fugitive)}$/lb $HCl_{(aerosol)}$ manufactured)

Nitric Acid

1,126 lb $HNO_{3\ (fugitive)}$ = (1,126,055 lb HNO_3 used) x (0.001 lb $HNO_{3\ (fugitive)}$/lb HNO_3 used)

Water Dissociable Nitrate Compounds

[5] Assumption used in the current Air Contaminant Discharge Permit.

SCOEPA00052191

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance.

Ethylene Glycol

Zero. Fugitive emissions of ethylene glycol are assumed to be zero because of the low vapor pressure of ethylene glycol.

Stack Emissions (Section 5.2)

It has been assumed in past years that 1% of the acids stored in tanks and baths [used] went to the scrubbers as a vapor/mist. Scrubber manufacturers report 99% removal efficiency of acid vapor/mist.

All of the stack emission estimates are based on best engineering judgement (basis of estimate code = O).

Hydrogen Fluoride

One percent of the HF used is assumed to become a vapor/mist. HF emissions from HF bulk storage tanks are scrubbed. The HPM scrubber that receives the Fab 2 bulk storage tank (and process) emissions is assumed to have a removal efficiency of 99%. Fab 1 bulk storage tank emissions and process emissions are scrubbed by Acid Etch and Final Cleaning scrubbers which are assumed to have a removal efficiency of 99%.

$$16 \text{ lb } HF_{(stack)} = [(158{,}689 \text{ lb } HF_{(used)} \times 0.01 \text{ lb } HF_{(aerosal)} \times 0.01_{(fugitive/lb\ aerosol)}]$$

Hydrogen Chloride Aerosol

An average of 25% (10-20 lbs/60 lb cyl.) of the $HCl_{(g)}$ in each gas cylinder is returned to the supplier as heel residue which is reclaimed. The scrubbers that treat the vapor/mist from baths have removal efficiencies of 99% per scrubber manufacturers. The scrubbers that treat the gaseous HCl and HCl from the reaction of trichlorosilane are assumed to have removal efficiencies of 99%, though their manufacturers report efficiencies of 99.999%.

HCl Stack Emissions = [(HCl from Epitaxy) + (HCl from TCS)] × (Epi scrubber efficiency) + (HCl from baths) × (general scrubber efficiency)

$$3{,}371 \text{ lb } HCl_{(stack)} = [(235{,}920 \text{ lb } HCl_{(g)} \text{ purchased}) \times (0.75 \text{ lb used/lb purchased}) + 160{,}129 \text{ lb } HCl_{(aerosol)}] \times (0.01 \text{ lb stack/lb gas or aerosol})]$$

SCOEPA00052192

Nitric Acid

One percent of the HNO_3 used is assumed to become a vapor/mist. HNO_3 emissions from the bulk storage tanks are scrubbed. The HPM scrubber that receives the Fab 2 bulk storage tank emissions is assumed to have a removal efficiency of 99%. The Acid Etch scrubber receives the Fab 1 storage tank emissions and is assumed to have a removal efficiency of 99% for acid mist.

113 lb $HNO_{3(stack)}$ = [(1,126,055 lbs acid x 0.01 lb aerosol/lb acid x 0.01 lb stack/lb acid aerosol)]
The NO_x scrubber that receives HNO_3 process emissions is a state-of-the-art, 3-stage scrubber with a mist eliminator. Therefore, these HNO_3 emissions are assumed to be negligible.

Water Dissociable Nitrate Compounds

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance

Ethylene Glycol

Zero. Stack emissions of ethylene glycol are assumed to be zero because of the low vapor pressure of ethylene glycol.

Discharges to Streams and Water Bodies (Section 5.3)

Per EPA guidance, "For purposes of reporting on Form R, EPA considers a waste mineral acid at a pH 6 or higher to be 100 percent neutralized (water discharges to POTWs are reported as zero." Wacker's NPDES permit limits for pH are 6.0 and 9.0. Therefore, only the pH excursions below 6.0 contributed to discharges of mineral acids to the Willamette River:

1999 Discharge of Mineral Acids to NPDES System

Chemical	lb of each acid used	Molecular wt (g/mole)	Moles of each acid used	Percent Contribution	Moles Released	Pounds Released
HNO_3	1,126,055	63.01	8,106,309	49%	11.68	**1.62**
HF	158,689	20.00	3,399,066	20%	5.19	**0.23**
HCl	396,049	36.46	4,927,258	30%	7.10	**0.57**

See acid discharges.xls for details on the above calculations.

Since the TRI instructions on page 33 say to only report whole numbers the total release of each acid will be rounded to zero.

Basis of estimates is monitoring data (basis of estimate code = M).

SCOEPA00052193

Water Dissociable Nitrate Compounds

The waste water treatment system is not designed to reduce the concentration of water dissociable nitrate compounds in the waste water. Therefore, the amount of water dissociable nitrate compounds that was released to streams and water bodies is estimated to be:

amount released = (amount manufactured-ion portion only) × (fraction of time flow was to NPDES system)

1,035,586 lb NO_3 released = (1,090,091 lb NO_3 manufactured) × (0.95)

Ethylene Glycol

All of the ethylene glycol was sent to the OWW system and ultimately discharged to the POTW, therefore, the amount released to streams and water bodies was zero.

Transfers to the POTW (Section 6.1)

The CAD and WAD waste water streams are periodically discharged to the POTW.[6] This is estimated to occur less than 5% of the time. All pH measurements were within permit parameters during 1999.

Wacker is reporting "zero" for acids instead of N.A. because there were periods of time during which Wacker discharged neutralized acids to the POTW instead of the NPDES system.

Monitoring data were used to estimate the transfers to the POTW (basis of estimate code = M).

Hydrogen Fluoride

Zero. All HF drains and scrubbers discharge to the CAD or WAD and go to the NPDES system. Also, any rinsing to the OWW would be neutralized to a pH of greater than 6.

Hydrogen Chloride Aerosol

Zero. Most HCl drains and scrubbers discharge to the CAD or WAD and go to the NPDES system. Some systems containing HCl dischage to the OWW, but are neutralized to a pH of greater than 6.

Nitric Acid

Zero. Most HNO_3 drains and scrubbers discharge to the CAD or WAD and go to the NPDES system. Some systems containing HNO_3 discharge to the OWW , but are neutralized to a pH of greater than 6.

Water Dissociable Nitrate Compounds

The amount of water dissociable nitrate compounds that was discharged to the POTW is estimated to be:

amount released = (amount manufactured-ion portion only) × (fraction of time flow was to POTW)

54,504 lb NO_3 released = (1,090,091 lb NO_3 manufactured) × (0.05)

[6] Verbal report by Justin Darr to Susan Mulholland on 19 June 1998.

SCOEPA00052194

Ethylene Glycol

No ethylene Glycol was used in 1999 due to chemical substitution.

Transfers to Other Off-site Locations (Section 6)

Hydrogen Fluoride

None. HF waste water is neutralized on-site and the drums are emptied and cleaned before they leave the facility.

Hydrogen Chloride Aerosol

Each cylinder of $HCl_{(g)}$ is estimated to have a residual heel of ~25%. This residual heel is returned to the supplier to be reused to make other grades of HCl at:[7]

BOC Gases
1122 North 52nd Street
Pheonix, AZ 85008
RCRA ID No. AZD043840479

58,980 lb HCl heel = (0.25 lb HCl heel/lb $HCl_{(g)}$) × (235,920 lb $HCl_{(g)}$)

Basis of estimate is a mass balance calculation (basis of estimate code = C).

An acid scrubber is used to treat the HCl heels (A03). Use M69, "other treatment" if the software will not accept A03.

Nitric Acid

None. HNO_3 waste water is neutralized on-site and the drums are emptied and cleaned before they leave the facility.

Water Dissociable Nitrate Compounds

None. Waste water containing NO_3 was discharged to the NPDES system and the POTW and the HNO_3 drums are emptied and cleaned before they leave the facility.

Ethylene Glycol

None.

On-Site Waste Treatment Methods & Efficiency (Section 7)

No on-site energy recovery was applied to waste streams containing HF, HCl, HNO_3, Water Dissociable Nitrate Compounds, or Ethylene Glycol (Section 7B).

No on-site recycling was applied to waste streams containing HF, HCl, or HNO_3, Water Dissociable Nitrate Compounds, or Ethylene Glycol (Section 7C).

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[7] Confirmed by Sharon of BOC Gases to Michael Sutton on 31 July 1997.

SCOEPA00052195

Air Scrubber Systems

System Name	Chemicals Scrubbed	Specifications
Fab 1		
Acid Etch Scrubber	HF, HCl	15,000 cfm
Final Cleaning Scrubber	HF, HCl	22,000 cfm
Epitaxy Scrubber	HCl	variable flow
Chemical Supply Scrubber	HCl	30,000 cfm[8]
Fab 2		
HPM Scrubber	HF, HCl	33,000 cfm
Epitaxy Scrubber	HCl	variable flow
Facility Wide		
NOx Scrubber	HNO_3, NO, NO_2	18,000 cfm

1999 Process Waste Water Flows

Month	Average Flow (gal/day)	Annual Flow (liters/year)
January	815,000	1,126,000,000
February	805,000	1,112,000,000
March	769,000	1,062,000,000
April	808,000	1,116,000,000
May	850,000	1,174,000,000
June	859,000	1,187,000,000
July	864,000	1,194,000,000
August	873,000	1,206,000,000
September	911,000	1,258,000,000
October	919,000	1,270,000,000
November	919,000	1,270,000,000
December	933,000	1,289,000,000
Annual Flow (Average)		**1,189,000,000**

Average flows (gal/day) in above table obtained from monthly NPDES DMRs for 1999. Annual flows (liters/year) obtained by multiplying gal/day times 3.785 liters/gal times 365 days/year and rounding.

[8] This scrubber is not considered in the on-site treatment method and efficiency calculations because it receives a negligible portion of the $HCl_{(aerosol)}$ manufactured from $HCl_{(aq)}$ each year (it does not receive process bath exhaust). Because of this, including it in the calculations would make the concentrations artificially low.

SCOEPA00052196

Hydrogen Fluoride

Hydrogen fluoride aerosols are treated on-site by air scrubbers in both fabs and HF in aqueous form is treated at the waste water treatment plant.

Air Scrubbers

Waste stream code = A

Waste treatment codes:

A03 *Scrubber*
C11 *Neutralization*

Range of influent concentration code = 4

Scrubber manufacturers report 99% removal efficiency of HF vapor/mist. Neutralization of the HF acid does occur in these air scrubbers.

The influent concentration is based on the total quantity of HF used, assumption that 1% of HF used went to the scrubbers as a vapor/mist, and the total volume of air flowing to HF scrubbers.

$$1{,}587 \text{ lb } HF_{(aerosol)} = (158{,}689 \text{ lb HF used}) \times (0.01 \text{ lb aerosol/lb used})$$

Using the ideal gas law to calculate the volume of $HF_{(aerosol)}$:

$$\text{Volume of } HF_{(aerosol)} = nRT \div P$$

where:

R = 1.31
T = 273.16°K
P = 1 atm

$$28{,}395 \text{ ft}^3 \text{ HF} = [(1{,}587 \text{ lb HF}) \div (20.0 \text{ lb/lbmole})] \times (1.31 \text{ ft}^3\text{-atm/K-lbmole}) \times (273.16°\text{K}) \div (1 \text{ atm})$$

$$804 \text{ m}^3 \text{ HF} = (28{,}395 \text{ ft}^3 \text{ HF}) \times (0.0283 \text{ m}^3/\text{ft}^3)$$

Volume of air in which the HF is diluted:

$$3.68\times10^{10} \text{ ft}^3 \text{ air} = (70{,}000 \text{ ft}^3/\text{min}) \times (365 \text{ days}) \times (24 \text{ hr/day}) \times (60 \text{ min/hr})$$

$$1{,}041{,}000{,}000 \text{ m}^3 \text{ air} = (3.68\times10^{10} \text{ ft}^3 \text{ of air}) \times (0.0283 \text{ m}^3/\text{ft}^3)$$

Parts per million by volume of HF in the air going to the scrubbers would then be:

$$0.77 \text{ ppm HF} = (804\text{m}^3 \text{ HF}) \div (1{,}041{,}000{,}000 \text{ m}^3 \text{ air})$$

SCOEPA00052197

Waste Water Treatment Plant

Waste stream code = W

Waste treatment codes:

C01	*Lime - chemical precipitation*
C09	*Other - chemical precipitation*
C11	*Neutralization*
P11	*Settling/clarification*
P12	*Filtration*
P13	*Non-thermal sludge dewatering*

Range of influent concentration code = 3

100% treatment efficiency to four decimal places, based on the continuous monitoring of NPDES pH and the calculated discharges to streams and water bodies.

100% Treatment efficiency = [(158,689 lb influent - 0.00 lb released) ÷ 158,689 lb influent] × 100

The influent concentration is based on the amount of HF used on-site in 1999, minus what was neutralized in air scrubbers, and the volume of process waste water that flowed in 1999.

158,689 lb HF in process waste water = (158,689 lb HF used) - (1,587 lb HF scrubbed)

7.3×10^{10} mg HF in process waste water = (157,102 lb HF) × (453,590 mg/lb)

1,087,000,000 liters of process waste water

65 ppm HF in process waste water = (7.3×10^{10} mg HF) ÷ (1,087,000,000 liters water)

The chromic acid treatment system is not included in here, even though HF goes through it, because:

1. Liquid effluent from the Cr treatment system goes to the CAD; and
2. It was designed to treat Cr waste, not HF.

Hydrogen Chloride Aerosol

Aerosol forms of HCl can end up in two different types of air scurbber systems. Hydrochloric acid aerosols from baths are captured by hoods that discharge to the general acid scrubbers (i.e., non-epitaxy) in each fab. Hydrogen chloride gas and HCl from the reaction of trichlorosilane end up being treated by the epitaxy air scrubbers. All scrubber water is discharged to the wastewater treatment plant.

SCOEPA00052198

Non-Epitaxy Air Scrubbers

Waste stream code = A

Waste treatment codes:

A03 *Scrubber*
C11 *Neutralization*

Range of influent concentration code = 4

Scrubber manufacturers report 99% removal efficiency of HCl aerosols. Neutralization of the HCl acid does occur in these air scrubbers.

The aerosol HCl from the baths is captured by hoods and sent to the general acid scrubbers in each fab. Captured acids are then neutralized in the scrubber systems.

The influent concentration of HCl aerosols going to the non-epitaxy scrubbers is based on the quantity of aerosol HCl from the baths (see the Stack Emissions section) and the total volume of air flowing to these scrubbers in both fabs.

Using the ideal gas law to calculate the volume of HCl:

Volume of HCl = nRT ÷ P

where:

R = 1.31
T = 273.16°K
P = 1 atm

2,984 ft^3 HCl = [(304 lb $HCl_{(aerosol)}$) ÷ (36.46 lb/lbmole)] × (1.31 ft^3-atm/K-lbmole) × (273.16°K) ÷(1 atm)

84 m^3 HCl = (2,984 ft^3 HF) × (0.0283 m^3/ft^3)

Volume of air in which the HCl is diluted:

3.68×10^{10} ft^3 air = (70,000 ft^3/min) × (365 days) × (24 hr/day) × (60 min/hr)

1.04×10^9 m^3 air = (3.68×10^{10} ft^3 of air) × (0.0283 m^3/ft^3)

Parts per million by volume of HCl in the air going to the scrubbers would then be:

0.08 ppm HCl = (84 m^3 HCl) ÷ (1.04×10^9 m^3 air)

SCOEPA00052199

Epitaxy Air Scrubbers

Waste stream code = A

Waste treatment codes:

A03 Scrubber

Range of influent concentration code = 1

The HCl scrubbers used by the Epitaxy areas on-site are assumed to have a removal efficiency of 99%, though the manufacturers report an efficiency of 99.999%.

The hydrogen chloride gas and aerosol HCl from the reaction of trichlorosilane is captured by the epitaxy air scrubbers, which perform no neutralization. The HCl is eventually neutralized at the waste water treatment plant.

The influent concentration in Fabs 1 and 2 will be based on the total quantity of HCl flowing to the epitaxy scrubbers in both fabs and the total volume of air flowing to the epitaxy scrubbers in both fabs. The total quantity of HCl will be the amount of $HCl_{(g)}$ used in 1999 (minus the heel quantity) and the amount of HCl expected from the reaction of trichlorosilane.

Trichlorosilane reacts with hydrogen gas and water to produce a hydrochloric acid mist/vapor. While the exact stoichiometry of this reaction is not known, personnel from epitaxy estimate that 3 moles of hydrochloric acid are produced from each mole of trichlorosilane.

Using the ideal gas law to calculate the volume of HCl:

$$\text{Volume of HCl} = nRT \div P$$

where:

R = 1.31
T = 273.16°K
P = 1 atm

we can calculate the concentration of HCl in the stream going to the epitaxy scrubbers. These concentrations would be the maximum concentrations. HCl gas and TCS only flow through the epitaxy reactors during three of the process steps.

The following data are for the Fab 2 epitaxy reactors and scrubbers. The Fab 1 epitaxy reactors will not be sufficiently different, however, to have the influent concentration go below 10,000 ppm.[9]

[9] Influent concentration calculations can be found in epi scrubber HCl.xls.

Calculation of HCl Concentration in Influent to Fab 2 Epitaxy Reactor Scrubbers

				Trichlorosilane Source								
Flow Duration		N_2	H_2	TCS	HCl	HCl	HCl	HCl	HCl gas	HCl Total	Gas Tot	HCl
sec	Min	slpm[10]	Slpm	Gm/min	moles/min	gm/min	Lb/min	Slpm	slpm	std ml	std m3	Ppm
20	0.33	10	20	-	-	-	-	-	20	6,667	0.0167	400,000
100	1.67	10	100	-	-	-	-	-	20	33,333	0.2167	153,846
250	4.17	10	50	24	0.53	19.38	0.04	11.85	0	49,374	0.2994	164,924

Waste Water Treatment Plant

Waste stream code = W

Waste treatment codes:

C11 Neutralization

Range of influent concentration code = 3

100% treatment efficiency to four decimal places, based on the continuous monitoring of NPDES pH and the calculated discharges to streams and water bodies.

100% Treatment efficiency = [(396,049 lb HCl influent - 0.57 lb HCl released) ÷ 396,049 lb HCl influent] × 100

The influent concentration is based on the amount of aerosol HCl used/made on-site in 1999, minus what was left in the gas cylinder heels, and the volume of process waste water that flowed in 1999.

337,066 lb HCl in process waste water = (235,920 + 160,129 lb $HCl_{(g)}$ used/made) – [(58,980 lb HCl in heels) + (304 lb HCl from baths x 0.01 stack)] - 15.3×10^{10} mg HCl in process waste water = (337,066 lb HCl) × (453,590 mg/lb)

1,087,000,000 liters of process waste water

140 ppm HCl in process waste water = (10.0×10^{10} mg HCl) ÷ (1,087,000,000 liters water)

[10] slpm = standard liter per minute

SCOEPA00052201

Nitric Acid

Aerosol forms of nitric acid are captured by the NOx scrubber and neutralized. Aqueous nitric acid is neutralized at the waste water treatment plant.

Air Scrubbers

Waste stream code = A

Waste treatment codes:

A03 Scrubber
C11 Neutralization

Range of influent concentration code = 3

The NOx scrubber is assumed to have a nitric acid removal efficiency of 99.5%, as reported by the manufacturer. It is a state-of-the-art, 3-stage scrubber with a mist eliminator. Neutralization of the nitric acid does occur in the NOx scrubber system.

All of the nitric acid is used to etch silicon. When nitric acid is used to etch silicon the following reaction occurs:

$$HNO_3 + Si \rightarrow SiO_2 + H_2O + NOx$$

The process exhaust is sent to the NOx scrubber. A Wacker process engineer reports that the average nitric acid concentration in the used etching baths is 62 to 65 weight percent.[11] Therefore, the amount of nitric acid used minus the amount of nitric acid consumed by the above reaction will be the amount available to produce $HNO_{3(aerosol)}$ which is sent to the NOx scrubber:

10,472 lb of $HNO_{3(aerosol\ in\ NOx)}$ = [(1,126,055 lb HNO_3 used) – (1,126,055 lb HNO_3 used) × ((0.705 - 0.635) lb HNO_3 consumed to make NOx/lb HNO_3 used)] × (0.01 lb aerosol/lb used)

Using the ideal gas law to calculate the volume of HNO_3:

Volume of HNO_3 = nRT ÷ P

where:

R = 1.31
T = 273.16°K
P = 1 atm

59,473 ft^3 HNO_3 = [(10,472 lb HNO_3) ÷ (63.01 lb/lbmole)] × (1.31 ft^3-atm/K-lbmole) × (273.16°K) ÷ (1 atm)

1,683 m^3 HNO_3 = (59,473 ft^3 HNO_3) × (0.0283 m^3/ft^3)

Volume of air in which the HNO_3 is diluted:

[11] Verbal report by Toby Potter to Michael Sutton on 3 September 1997

SCOEPA00052202

9,460,800,000 ft^3 air = (18,000 ft^3/min) × (365 days) × (24 hr/day) × (60 min/hr)

268,000,000 m^3 air = (9.46×10^9 ft^3 of air) × (0.0283 m^3/ft^3)

Parts per million by volume of HNO_3 in the air going to the scrubbers would then be:

6.3 ppm HNO_3 = (1,683 m^3 HNO_3) ÷ (268,000,000 m^3 air)

Acid Etching Baths

Waste stream code = W

Waste treatment codes:

C99 Other Chemical Treatment (reduction through reaction with silicon in etching baths)
NA

Range of influent concentration code = 1 (~70%)

7 Percent treatment efficiency based on engineering judgement.

7 Percent treatment efficiency = [(1,126,055 lb HNO_3 used) × ((0.705 - 0.635) lb HNO_3 consumed/lb HNO_3 used)] ÷ 1,126,055 lb HNO_3 "treated" × 100

Waste Water Treatment Plant

Waste stream code = W

Waste treatment codes:

C11 Neutralization

Range of influent concentration code = 2

100% treatment efficiency to four decimal places, based on the continuous monitoring of NPDES pH and the calculated discharges to streams and water bodies.

100% Treatment efficiency = [(1,126,055 lb HNO_3 used) – (1.62 lb HNO_3 released)] ÷ 1,126,055 lb HNO_3 influent × 100

The amount of nitric acid treated by the waste water treatment plant is equal to the amount of nitric acid used minus the amount of nitric acid that goes to the air scrubbers minus the amount of nitric acid consumed by etching.

1,036,759 lb HNO_3 in waste water = (1,126,055 lb HNO_3 used) - (10,472 lb $HNO_{3(aerosol)}$) - (1,126,055 lb HNO_3 used) × (0.07 lb HNO_3 consumed/lb HNO_3 used)

The influent concentration is based on the amount of nitric acid used on-site in 1999, minus what was neutralized in air scrubbers, and the volume of process waste water that that flowed in 1999.

4.7 × 10^{11} mg HNO_3 in process waste water = (1,036,759 lb HNO_3) × (453,590 mg/lb)

1,087,000,000 liters of process waste water

SCOEPA00052203

432 ppm HNO_3 in process waste water = (4.7×10^{11} mg HNO_3) ÷ (1,087,000,000 liters water)

Water Dissociable Nitrate Compounds

Water dissociable nitrate compounds are not affected by the waste water treatment plant and are discharged to the river or POTW.

Waste Water Treatment Plant - NPDES

Waste stream code = W

Waste treatment codes:

NA None

Range of influent concentration code = 2

0% treatment efficiency based on engineering judgement.

The amount of water dissociable nitrate compounds going to the waste water systems is equal to the amount of water dissociable nitrate compounds manufactured:

1,094,601lb NO_3 in waste water = 1,094,601 lb NO_3 manufactured

The influent concentration is based on the amount of water dissociable nitrate compounds going to the system and the volume of process waste water that flowed in 1999.

4.94×10^{11} mg NO_3 in process waste water = (1,090,091 lb NO_3) × (453,590 mg/lb)

1,189,000,000 liters of process waste water to the NPDES

415.89 ppm NO_3 in process waste water = (4.94×10^{11} mg NO_3) ÷ (1,189,000,000 liters water)

Waste Water Treatment Plant - POTW

Waste stream code = W

Waste treatment codes:

NA None

Range of influent concentration code = 2

0% treatment efficiency of WSC WWTP based on engineering judgement. Treatment after reaching the POTW is 99% based on discussion with TimDean, BES Industrial Source Control, and his discussion with CBWTP operations officer.

The amount of water dissociable nitrate compounds going to the waste water systems is equal to the amount of water dissociable nitrate compounds manufactured:

54,504 lb NO_3 in waste water = (1,090,091lb NO_3 manufactured) x (0.05)

SCOEPA00052204

The influent concentration is based on the amount of water dissociable nitrate compounds going to the system and the volume of process waste water that flowed in 1999.

2.47 x 10^{10} mg NO_3 in process waste water = (54,504 lb NO_3) × (453,590 mg/lb)

1,188,900,000 liters of process waste water to the POTW[12]

415.51 ppm NO_3 in POTW waste water = (2.47 × 10^{10} mg NO_3) ÷ [(1,188,900,000 liters water) x (0.05)]

Source Reduction and Recycling Activities (Section 8)

None of the chemicals were used for energy recovery or recycling on or off-site.

Quantity released = (fugitive emissions) + (stack emissions)

Quantity treated off-site = (Quantity transferred off-site)

Quantity treated on-site = (amount used/manufactured) - (quantity released) - (amount transferred off-site)

All values are rounded to two significant figures when reported on the Form R.

Hydrogen Fluoride

Quantity released = (159 lb fugitive) + (16 lb stack) = 175 lb HF

Quantity treated off-site = 0 lb HF

Quantity treated on-site = (158,689 lb used) - (175 lb released) - (0 lb off-site) = 158,514 lb HF

Hydrogen Chloride Aerosol

Quantity released = (160 lb fugitive) + (3,371 lb stack) = 3,531 lb HCl

Quantity treated off-site = 58,980 lb HCl Quantity treated on-site = (396,049 lb used/manufactured) - (3,531 lb releasd) - (58,980 lb off-site) = 333,538 lb HCl

Nitric Acid

Quantity released = (1,126 lb fugitive) + (113 lb stack) = 1,239 lb HNO_3

Quantity treated off-site = ~~54,504 lb HNO_3~~ 0

Quantity treated on-site = (1,126,055 lb used) - (1,239 lb released) - ~~(56,303 lb off-site)~~ = ~~1,068,513~~ 1,124,816 lb HNO_3

Water Dissociable Nitrate Compounds

[12] POTW flow based on 239.77 million gallons for 1998 from W.W.P.T. Monitoring Reports (Tom Rothschild) as used in 1998 Air Report (voc to waste water and waste.xls)

SCOEPA00052205

Quantity released = (0 lb fugitive) + (0 lb stack) + (1,090,091 lb NPDES) = 1,090,091 lb NO_3

Quantity treated off-site = 54,730 lb NO_3

Quantity treated on-site = (1,090,091 lb released) - (54,504 lb treated off-site) = 1,035,587 lb NO_3

Activity Index and Following Years

1999 Index = surface area of wafers produced in 1999 divided by surface area of wafers produced in 1998

1999 Index = (1,552 Mcm^2) ÷ (1,240 Mcm^2) = 1.25

Production forecast for 1999 is 1,420 Mcm^2

Production forecast for 2000 is 1,705 Mcm^2

Estimate source reduction and recycling activities for following years by multiplying the 1998 (i.e., the current year) values by 1.15 (i.e., 1,420 ÷ 1,240) for 1999 and 1.38 (i.e., 1,705 ÷ 1,240) for 2000.

SCOEPA00052206

For Internal Use Only			
TRI Facility ID No	97210WCKRS7200N	Reporting Year	1999
Chemical Name	NITRATE COMPOUNDS		
Document Control Number	13-99-130-37562-1	Post Mark Date	06-28-2000
File Number	DD-00-00011347-8	Received Date	07-03-2000

7B On-site Energy Recovery Processes

1. NA

7C On-site Recycling Processes

1. NA

8.0	Source Reduction & Recycling Activities	Col. A Prior Year	Col. B Current Year	Col. C Following Year	Col. D Second Following Year
8.1	QUANTITY RELEASED	1300000	1090000	1200000	1400000
8.2	QUANTITY USED FOR ENERGY RECOVERY ON-SITE	0	0 NA	0	0
8.3	QUANTITY USED FOR ENERGY RECOVERY OFF-SITE	0	0	0	0
8.4	QUANTITY RECYCLED ON-SITE	0	0 NA	0	0
8.5	QUANTITY RECYCLED OFF-SITE	0	0	0	0
8.6	QUANTITY TREATED ON-SITE	0	0	0	0
8.7	QUANTITY TREATED OFF-SITE	68000	54500	63000	76000
8.8	QUANTITY RELEASED AS A RESULT OF REMEDIAL, CATASTROPHIC, OR ONE TIME EVENTS	0			
8.9	PRODUCTION RATIO OR ACTIVITY INDEX	1.25			

8.10 Source Reduction Activities:	Method A	Method B	Method C
8.10.1 W41	T01		

For Internal Use Only			
TRI Facility ID No	97210WCKRS7200N	Reporting Year	1999
Chemical Name	NITRATE COMPOUNDS		
Document Control Number	13-99-130-37562-1	Post Mark Date	06-28-2000
File Number	DD-00-00011347-8	Received Date	07-03-2000

	Underground Injection/Land Disposal	A. Total Release	B. Basis of Estimate
5.5.2	LAND TREATMENT / APPLICATION FARMING	NA	
5.5.3	SURFACE IMPOUNDMENT	NA	
5.5.4	OTHER DISPOSAL	NA	
5.4.1	UNDERGROUND INJECTION ON-SITE TO CLASS I WELLS	NA	
5.4.2	UNDERGROUND INJECTION ON-SITE TO CLASS II-V WELLS	NA	
5.5.1A	RCRA SUBTITLE C LANDFILLS	NA	
5.5.1B	OTHER LANDFILLS	NA	

6.0 Transfers of the Toxic Chemical in Waste to Off-site Locations
6.1 Discharges to Publicly Owned Treatment Works (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers: 54500 **6.1.A.2** Basis of Estimate: C-MASS BALANCE CALCULATIONS

6.1.B.1 POTW NAME: CITY OF PORTLAND
POTW Address: 1211 SW 5TH AVENUE
City: PORTLAND County: MULTNOMAH State: OR Zip: 97204

6.2 Transfers to Other Off-site Locations

6.2.1 Off-Site EPA Identification Number (EPCRA ID No.) NA

Off-Site Location Name: NA

Off-site Address:

City: State: County: Country: Zip:

Location under control of reporting facility or parent company:

	Total Transfers	Basis of Estimate	Type of Waste Treatment/Disposal/ Recycling/Energy Recovery
1	NA		

7A On-Site Waste Treatment Methods & Efficiency

7A.1
a. General Waste Stream: W
c. Range of Influent Concentration: 2-100 PPM TO 1 PERCENT
d. Waste Treatment Efficiency Estimate(%): 0.00
e. Based on Operating Data: NO
b. Waste Treatment Method Sequence:
1 C11-NEUTRALIZATION
2 NA

7A.1
a. General Waste Stream: NA
c. Range of Influent Concentration:
d. Waste Treatment Efficiency Estimate(%):
e. Based on Operating Data:
b. Waste Treatment Method Sequence:

WACKER
Wacker Siltronic Corporation

The EPCRA Reporting Center
Attn: Facility Data Profile Response
P.O. Box 3348
Merrifield, VA 22116-3348

November 9, 1999 ER149:SM

Subject: Facility Data Profile Notice Nos.: 99000189252.00 & 99000206286.00

Enclosed please find copies of the cover pages for two Facility Data Profile Notices received by Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). These reports appear to contain duplicate data regarding the five (5) Form R Chemical Reports submitted for 1998 for our facility. Because the notices appear to be duplicates, we are responding to the earliest notice received, Notice No. 99000189252.00.

Errors were identified on two of the reports as follows:

Document Control No.	Report Year	CAS Number
13-98-120-19348-3 (Nitrate Compounds)	1998	N511 (Section 313 Category)
13-98-120-19349-5 (Ethylene Glycol)	1998	000107-21-1

Enclosed are the Error identification pages from the Facility Data Profile Notice, with corrections noted, the Chemical Report sections associated with the errors with corrections noted, and in one case a copy of the corrected Form R page to further explain the error with the Ethylene Glycol report.

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to this response to the Facility Data Profile Notice.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: State Fire Marshal (Oregon)

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052209

97210WCKRS7200N
TOXIC RELEASE INVENTORY TECHNICAL CONTACT
WACKER SILTRONIC CORP.
P.O. BOX 83180
PORTLAND, OR 97283-0180

RECEIVED

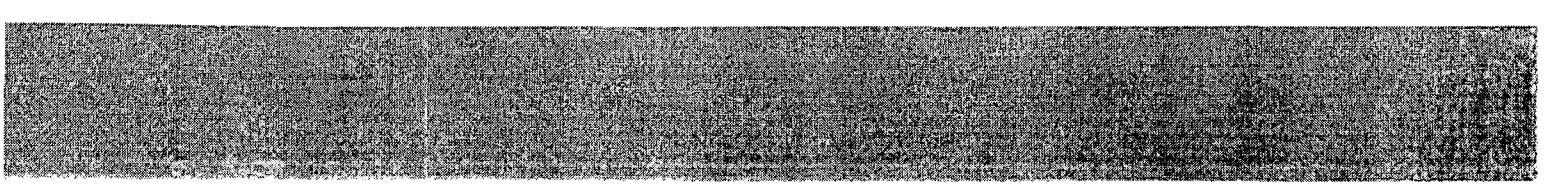
OCT 2 8 1999

WACKER SILTRONIC
Environmental Engineering

Review By: 11/8/99

Submit By: 11/10/99

97210WCKRS7200N
TOXIC RELEASE INVENTORY TECHNICAL CONTACT
WACKER SILTRONIC CORP.
P.O. BOX 83180
PORTLAND, OR 97283-0180



For Internal Use	
Document Control Number	13-98-120-19348-3
Formr ID	1123643

ERRORS IDENTIFIED IN THIS REPORT

If we indicate in this section that you have provided invalid data, or if you discover that we omitted or inaccurately altered your submitted data please provide corrections in the following manner:

- Correct the error in the space provided in this section
- Mark through the erroneous value in the Facility Information or Chemical Report section and write the correct value next to it
- Attach replacement (Form R/A) pages and any explanatory remarks that might aid us in correcting data for those values we have failed to capture correctly
- If we inform you of a disk processing error, please provide a new disk.

Do not use this notice for data revision purposes.

In order to be processed in a timely fashion, **all responses, whether a marked copy of this notice, replacement pages or disks, must include this section** and be sent to address below within 14 days of receipt of this notice:

THE EPCRA REPORTING CENTER
ATTN: FACILITY DATA PROFILE RESPONSE
P.O. BOX 3348
MERRIFIELD, VA 22116-3348

PARAGRAPH: II.7A.1 ON-SITE WASTE TREATMENT AND EFFICIENCY

ERROR: There are missing data in Part II, Section 7A. Complete this section by indicating appropriate codes for 7A in columns A-B-C-D-E.

YOUR CORRECTION: Item 7A.1b changed to C11

PARAGRAPH: II.7A.2 ON-SITE WASTE TREATMENT AND EFFICIENCY

ERROR: There are missing data in Part II, Section 7A. Complete this section by indicating appropriate codes for 7A in columns A-B-C-D-E.

YOUR CORRECTION: Items 7A.2a - 2e deleted (NA).

	Underground Injection/Land Disposal	A. Total Release	B. Basis of Estimate
5.5.2	LAND TREATMENT / APPLICATION FARMING	NA	
5.5.3	SURFACE IMPOUNDMENT	NA	
5.5.4	OTHER DISPOSAL	NA	
5.4.1	UNDERGROUND INJECTION ON-SITE TO CLASS I WELLS	NA	
5.4.2	UNDERGROUND INJECTION ON-SITE TO CLASS II-V WELLS	NA	
5.5.1A	RCRA SUBTITLE C LANDFILLS	NA	
5.5.1B	OTHER LANDFILLS	NA	

6.0 Transfers of the Toxic Chemical in Waste to Off-site Locations
6.1 Discharges to Publicly Owned Treatment Works (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers: 55078 **6.1.A.2** Basis of Estimate: 0-OTHER APPROACHES

6.1.B.1 POTW NAME: CITY OF PORTLAND
POTW Address: 1211 SW 5TH AVENUE
City: PORTLAND County: MULTNOMAH State: OR Zip: 97204

6.2 Transfers to Other Off-site Locations

6.2.1 Off-Site EPA Identification Number (EPCRA ID No.) NA
Off-Site Location Name: NA
Off-site Address:
City: State: County: Country: Zip:
Location under control of reporting facility or parent company:

	Total Transfers	Basis of Estimate	Type of Waste Treatment/Disposal/ Recycling/Energy Recovery
1	NA		

7A On-Site Waste Treatment Methods & Efficiency

7A.1a A. General Waste Stream: W
C. Range of Influent Concentration: 2-100 PPM TO 1 PERCENT
D. Waste Treatment Efficiency Estimate(%): 0.00
E. Based on Operating Data: NO
B. Waste Treatment Method Sequence:
1 ~~NA~~ C11

7A.2a A. General Waste Stream: W2
C. Range of Influent Concentration: 2-100 PPM TO 1 PERCENT
D. Waste Treatment Efficiency Estimate(%): 0.00
E. Based on Operating Data: NO
B. Waste Treatment Method Sequence:
1 NA

7B On-Site Energy Recovery Processes

1. NA

7C On-Site Recycling Processes

1. NA

For Internal Use	
Document Control Number	13-98-120-19349-5
Formr ID	1123644

ERRORS IDENTIFIED IN THIS REPORT

If we indicate in this section that you have provided invalid data, or if you discover that we omitted or inaccurately altered your submitted data please provide corrections in the following manner:

- Correct the error in the space provided in this section
- Mark through the erroneous value in the Facility Information or Chemical Report section and write the correct value next to it
- Attach replacement (Form R/A) pages and any explanatory remarks that might aid us in correcting data for those values we have failed to capture correctly
- If we inform you of a disk processing error, please provide a new disk.

Do not use this notice for data revision purposes.

In order to be processed in a timely fashion, **all responses, whether a marked copy of this notice, replacement pages or disks, must include this section** and be sent to address below within 14 days of receipt of this notice:

THE EPCRA REPORTING CENTER
ATTN: FACILITY DATA PROFILE RESPONSE
P.O. BOX 3348
MERRIFIELD, VA 22116-3348

PARAGRAPH: II.7A.1 ON-SITE WASTE TREATMENT AND EFFICIENCY

ERROR: There are missing data in Part II, Section 7A. Complete this section by indicating appropriate codes for 7A in columns A-B-C-D-E.

YOUR CORRECTION: Checked entire §7A as Not Applicable. See attached Form R (Page 4 of

	Underground Injection/Land Disposal	A. Total Release	B. Basis of Estimate
5.5.2	LAND TREATMENT / APPLICATION FARMING	NA	
5.5.3	SURFACE IMPOUNDMENT	NA	
5.5.4	OTHER DISPOSAL	NA	
5.4.1	UNDERGROUND INJECTION ON-SITE TO CLASS I WELLS	NA	
5.4.2	UNDERGROUND INJECTION ON-SITE TO CLASS II-V WELLS	NA	
5.5.1A	RCRA SUBTITLE C LANDFILLS	NA	
5.5.1B	OTHER LANDFILLS	NA	

6.0 Transfers of the Toxic Chemical in Waste to Off-site Locations
6.1 Discharges to Publicly Owned Treatment Works (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers: 10761 **6.1.A.2** Basis of Estimate: 0-OTHER APPROACHES

6.1.B.1 POTW NAME: CITY OF PORTLAND
POTW Address: 1211 SW 5TH AVENUE
City: PORTLAND County: MULTNOMAH State: OR Zip: 97204

6.2 Transfers to Other Off-site Locations

6.2.1 Off-Site EPA Identification Number (EPCRA ID No.) NA
Off-Site Location Name: NA
Off-site Address:
City: State: County: Country: Zip:
Location under control of reporting facility or parent company:

	Total Transfers	Basis of Estimate	Type of Waste Treatment/Disposal/ Recycling/Energy Recovery
1	NA		

7A On-Site Waste Treatment Methods & Efficiency — NA

7A.1a A. General Waste Stream: W
C. Range of Influent Concentration: 3-1 PPM TO 100 PPM
D. Waste Treatment Efficiency Estimate(%): 0.00
E. Based on Operating Data: NO
B. Waste Treatment Method Sequence:
1 NA

7B On-Site Energy Recovery Processes

1. NA

7C On-Site Recycling Processes

1. NA

	8.0 Source Reduction & Recycling Activities	Col. A Prior Year	Col. B Current Year	Col. C Following Year	Col. D Second Following Year
8.1	QUANTITY RELEASED	0	0	0	0
8.2	QUANTITY USED FOR ENERGY RECOVERY ON-SITE	0	0	0	0
8.3	QUANTITY USED FOR ENERGY RECOVERY OFF-SITE	0	0	0	0
8.4	QUANTITY RECYCLED ON-SITE	0	0	0	0
8.5	QUANTITY RECYCLED OFF-SITE	0	0	0	0
8.6	QUANTITY TREATED ON-SITE	0	0	0	0
8.7	QUANTITY TREATED OFF-SITE	13000	11000	0	0
8.8	QUANTITY RELEASED AS A RESULT OF REMEDIAL, CATASTROPHIC, OR ONE TIME EVENTS	0			
8.9	PRODUCTION RATIO OR ACTIVITY INDEX	1.13			

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☑ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	~~NA~~	2		3			7A.1c	7A.1d	7A.1e
~~W~~		4		5		6		7	~~3~~	~~0~~ %	Yes ☐ No ☒
7A.2a	7A.2b	1		2		3			7A.2c	7A.2d	7A.2e
		4		5		6		7		%	Yes ☐ No ☐
7A.3a	7A.3b	1		2		3			7A.3c	7A.3d	7A.3e
		4		5		6		7		%	Yes ☐ No ☐
7A.4a	7A.4b	1		2		3			7A.4c	7A.4d	7A.4e
		4		5		6		7		%	Yes ☐ No ☐
7A.5a	7A.5b	1		2		3			7A.5c	7A.5d	7A.5e
		4		5		6		7		%	Yes ☐ No ☐

Additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 6.2/7A page number in this box : [1] (example: 1,2,3, etc)

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052216

Mr. Bob Albers
Oregon Emergency Response Commission
C/O State Fire Marshal
4760 Portland Road, NE
Salem, OR 97305-1760

Original To: EPCRA Reporting Center
Attn: Facility Data Profile Response
P.O. Box 3348
Merrifield, VA 22116-3348

WACKER
Wacker Siltronic Corporation

November 9, 1999 ER150:SM

Subject: Facility Data Profile Notice Nos.: 99000189252.00 & 99000206286.00

Enclosed please find copies of the cover pages for two Facility Data Profile Notices received by Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). These reports appear to contain duplicate data regarding the five (5) Form R Chemical Reports submitted for 1998 for our facility. Because the notices appear to be duplicates, we are responding to the earliest notice received, Notice No. 99000189252.00.

Errors were identified on two of the reports as follows:

Document Control No.	Report Year	CAS Number
13-98-120-19348-3 (Nitrate Compounds)	1998	N511 (Section 313 Category)
13-98-120-19349-5 (Ethylene Glycol)	1998	000107-21-1

Enclosed are the Error identification pages from the Facility Data Profile Notice, with corrections noted, the Chemical Report sections associated with the errors with corrections noted, and in one case a copy of the corrected Form R page to further explain the error with the Ethylene Glycol report.

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to this response to the Facility Data Profile Notice.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: State Fire Marshal (Oregon)

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

SCOEPA00052217

97210WCKRS7200N
TOXIC RELEASE INVENTORY TECHNICAL CONTACT
WACKER SILTRONIC CORP.
P.O. BOX 83180
PORTLAND, OR 97283-0180

RECEIVED

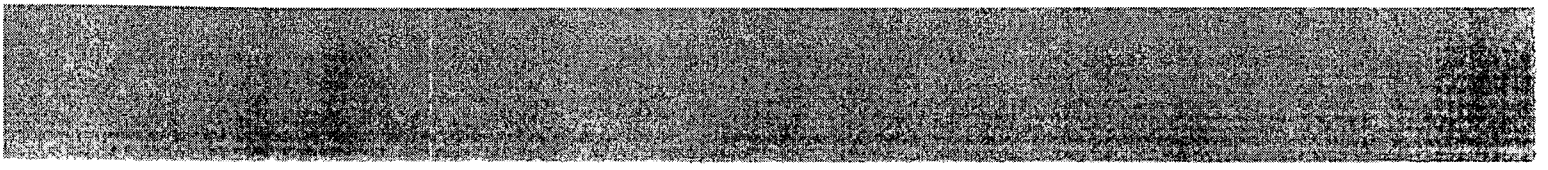
OCT 2 8 1999

WACKER SILTRONIC
Environmental Engineering

Review By: 11/8/99

Submit By: 11/10/99

97210WCKRS7200N
TOXIC RELEASE INVENTORY TECHNICAL CONTACT
WACKER SILTRONIC CORP.
P.O. BOX 83180
PORTLAND, OR 97283-0180



For Internal Use	
Document Control Number	13-98-120-19348-3
Formr ID	1123643

ERRORS IDENTIFIED IN THIS REPORT

If we indicate in this section that you have provided invalid data, or if you discover that we omitted or inaccurately altered your submitted data please provide corrections in the following manner:

- Correct the error in the space provided in this section
- Mark through the erroneous value in the Facility Information or Chemical Report section and write the correct value next to it
- Attach replacement (Form R/A) pages and any explanatory remarks that might aid us in correcting data for those values we have failed to capture correctly
- If we inform you of a disk processing error, please provide a new disk.

Do not use this notice for data revision purposes.

In order to be processed in a timely fashion, **all responses, whether a marked copy of this notice, replacement pages or disks, must include this section** and be sent to address below within 14 days of receipt of this notice:

THE EPCRA REPORTING CENTER
ATTN: FACILITY DATA PROFILE RESPONSE
P.O. BOX 3348
MERRIFIELD, VA 22116-3348

PARAGRAPH: II.7A.1 ON-SITE WASTE TREATMENT AND EFFICIENCY

ERROR: There are missing data in Part II, Section 7A. Complete this section by indicating appropriate codes for 7A in columns A-B-C-D-E.

YOUR CORRECTION: Item 7A.1b changed to C11

PARAGRAPH: II.7A.2 ON-SITE WASTE TREATMENT AND EFFICIENCY

ERROR: There are missing data in Part II, Section 7A. Complete this section by indicating appropriate codes for 7A in columns A-B-C-D-E.

YOUR CORRECTION: Items 7A.2a - 2e deleted (NA).

	Underground Injection/Land Disposal	A. Total Release	B. Basis of Estimate
5.5.2	LAND TREATMENT / APPLICATION FARMING	NA	
5.5.3	SURFACE IMPOUNDMENT	NA	
5.5.4	OTHER DISPOSAL	NA	
5.4.1	UNDERGROUND INJECTION ON-SITE TO CLASS I WELLS	NA	
5.4.2	UNDERGROUND INJECTION ON-SITE TO CLASS II-V WELLS	NA	
5.5.1A	RCRA SUBTITLE C LANDFILLS	NA	
5.5.1B	OTHER LANDFILLS	NA	

6.0 Transfers of the Toxic Chemical in Waste to Off-site Locations
6.1 Discharges to Publicly Owned Treatment Works (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers: 55078 **6.1.A.2** Basis of Estimate: 0-OTHER APPROACHES

6.1.B.1 POTW NAME: CITY OF PORTLAND
POTW Address: 1211 SW 5TH AVENUE
City: PORTLAND County: MULTNOMAH State: OR Zip: 97204

6.2 Transfers to Other Off-site Locations

6.2.1 Off-Site EPA Identification Number (EPCRA ID No.) NA

Off-Site Location Name: NA
Off-site Address:
City: State: County: Country: Zip:

Location under control of reporting facility or parent company:

	Total Transfers	Basis of Estimate	Type of Waste Treatment/Disposal/ Recycling/Energy Recovery
1	NA		

7A On-Site Waste Treatment Methods & Efficiency

7A.1a
A. General Waste Stream: W
C. Range of Influent Concentration: 2-100 PPM TO 1 PERCENT
D. Waste Treatment Efficiency Estimate(%): 0.00
E. Based on Operating Data: NO
B. Waste Treatment Method Sequence:
1 ~~NA~~ C11

7A.2a
A. General Waste Stream: W
C. Range of Influent Concentration: 2-100 PPM TO 1 PERCENT
D. Waste Treatment Efficiency Estimate(%): 0.00
E. Based on Operating Data: NO
B. Waste Treatment Method Sequence:
1 NA

7B On-Site Energy Recovery Processes

1. NA

7C On-Site Recycling Processes

1. NA

For Internal Use	
Document Control Number	13-98-120-19349-5
Formr ID	1123644

ERRORS IDENTIFIED IN THIS REPORT

If we indicate in this section that you have provided invalid data, or if you discover that we omitted or inaccurately altered your submitted data please provide corrections in the following manner:

- Correct the error in the space provided in this section
- Mark through the erroneous value in the Facility Information or Chemical Report section and write the correct value next to it
- Attach replacement (Form R/A) pages and any explanatory remarks that might aid us in correcting data for those values we have failed to capture correctly
- If we inform you of a disk processing error, please provide a new disk.

Do not use this notice for data revision purposes.

In order to be processed in a timely fashion, **all responses, whether a marked copy of this notice, replacement pages or disks, must include this section** and be sent to address below within 14 days of receipt of this notice:

THE EPCRA REPORTING CENTER
ATTN: FACILITY DATA PROFILE RESPONSE
P.O. BOX 3348
MERRIFIELD, VA 22116-3348

PARAGRAPH: II.7A.1 ON-SITE WASTE TREATMENT AND EFFICIENCY

ERROR: There are missing data in Part II, Section 7A. Complete this section by indicating appropriate codes for 7A in columns A-B-C-D-E.

YOUR CORRECTION: Checked entire §7A as Not Applicable. See attached Form R (Page 4 of

	Underground Injection/Land Disposal	A. Total Release	B. Basis of Estimate
5.5.2	LAND TREATMENT / APPLICATION FARMING	NA	
5.5.3	SURFACE IMPOUNDMENT	NA	
5.5.4	OTHER DISPOSAL	NA	
5.4.1	UNDERGROUND INJECTION ON-SITE TO CLASS I WELLS	NA	
5.4.2	UNDERGROUND INJECTION ON-SITE TO CLASS II-V WELLS	NA	
5.5.1A	RCRA SUBTITLE C LANDFILLS	NA	
5.5.1B	OTHER LANDFILLS	NA	

6.0 Transfers of the Toxic Chemical in Waste to Off-site Locations
6.1 Discharges to Publicly Owned Treatment Works (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers: 10761 **6.1.A.2** Basis of Estimate: 0-OTHER APPROACHES

6.1.B.1 POTW NAME: CITY OF PORTLAND
POTW Address: 1211 SW 5TH AVENUE
City: PORTLAND County: MULTNOMAH State: OR Zip: 97204

6.2 Transfers to Other Off-site Locations

6.2.1 Off-Site EPA Identification Number (EPCRA ID No.) NA

Off-Site Location Name: NA

Off-site Address:

City: State: County: Country: Zip:

Location under control of reporting facility or parent company:

	Total Transfers	Basis of Estimate	Type of Waste Treatment/Disposal/ Recycling/Energy Recovery
1	NA		

7A On-Site Waste Treatment Methods & Efficiency — NA

7A.1a A. General Waste Stream: W
C. Range of Influent Concentration: 3-1 PPM TO 100 PPM
D. Waste Treatment Efficiency Estimate(%): 0.00
E. Based on Operating Data: NO
B. Waste Treatment Method Sequence:
1 NA

7B On-Site Energy Recovery Processes

1. NA

7C On-Site Recycling Processes

1. NA

	8.0 Source Reduction & Recycling Activities	Col. A Prior Year	Col. B Current Year	Col. C Following Year	Col. D Second Following Year
8.1	QUANTITY RELEASED	0	0	0	0
8.2	QUANTITY USED FOR ENERGY RECOVERY ON-SITE	0	0	0	0
8.3	QUANTITY USED FOR ENERGY RECOVERY OFF-SITE	0	0	0	0
8.4	QUANTITY RECYCLED ON-SITE	0	0	0	0
8.5	QUANTITY RECYCLED OFF-SITE	0	0	0	0
8.6	QUANTITY TREATED ON-SITE	0	0	0	0
8.7	QUANTITY TREATED OFF-SITE	13000	11000	0	0
8.8	QUANTITY RELEASED AS A RESULT OF REMEDIAL, CATASTROPHIC, OR ONE TIME EVENTS	0			
8.9	PRODUCTION RATIO OR ACTIVITY INDEX	1.13			

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☑ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b 1 ~~NA~~ 2 3 4 5 6 7 8	7A.1c	7A.1d	7A.1e
~~W~~		~~3~~	~~0~~ %	Yes ☐ No ☒
7A.2a	7A.2b 1 2 3 4 5 6 7 8	7A.2c	7A.2d	7A.2e
			%	Yes ☐ No ☐
7A.3a	7A.3b 1 2 3 4 5 6 7 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b 1 2 3 4 5 6 7 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b 1 2 3 4 5 6 7 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

Additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1

and indicate the Part II, Section 6.2/7A page number in this box : 1 (example: 1,2,3, etc)

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052224

WACKER
Wacker Siltronic Corporation

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

June 23, 1999 ER131:SM

Subject: 1998 Toxic Chemical Release Inventory Form R Reports

Enclosed please find a copy of the toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Included is a signed copy of the submittal letter to the EPCRA Reporting Center and one (1) microcomputer diskette containing the Chemical Reports. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We submitted a total of five (5) Chemical Reports for our facility. The chemicals are reported on the regular 5-page Form R, as follows:

Chemical Name	Report Year	CAS Number
Hydrogen Fluoride	1998	007664-39-3
Hydrochloric Acid (Aerosols)	1998	007647-01-0
Nitric Acid	1998	007697-37-2
Nitrate Compounds	1998	N511 (Section 313 Category)
Ethylene Glycol	1998	000107-21-1

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

SCOEPA00052225

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 97210
TRI Fac. ID: 97210WCKRS7200N
06/23/1999

ER130:sm

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **5** Chemical Report(s) for our facility.
These **5** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	1998	007664393	5-page Form R
HYDROCHLORIC ACID (1995 AN	1998	007647010	5-page Form R
NITRIC ACID	1998	007697372	5-page Form R
NITRATE COMPOUNDS	1998	N511	5-page Form R
ETHYLENE GLYCOL	1998	000107211	5-page Form R

Our technical point of contact is:

SUSAN MULHOLLAND Phone Number: (503) 219 - 7132

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052226

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 97210
TRI Fac. ID: 97210WCKRS7200N
06/23/1999

ER130:sm

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **5** Chemical Report(s) for our facility.
These **5** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	1998	007664393	5-page Form R
HYDROCHLORIC ACID (1995 AN	1998	007647010	5-page Form R
NITRIC ACID	1998	007697372	5-page Form R
NITRATE COMPOUNDS	1998	N511	5-page Form R
ETHYLENE GLYCOL	1998	000107211	5-page Form R

Our technical point of contact is:

SUSAN MULHOLLAND Phone Number: (503) 219 - 7132

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052227

SUBMITTED
ON
DISKETTE

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1998

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable)
a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: SUSAN MULHOLLAND — Telephone Number (include area code): (503) 219 - 7132

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

5.2 Parent Company's Dun & Bradstreet Number: NA [X]

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	179	O	
5.2	Stack or point air emissions	NA [ ]	610	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc)**

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052230

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category, or Generic Name
HYDROGEN FLUORIDE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B. 2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? [ ] Yes [ ] No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052231

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C11			7A.1c	7A.1d	7A.1e
A	3 NA	4		5				4	99 %	Yes ☐ No X
	6	7		8						
7A.2a	7A.2b	1	C01	2	C09			7A.2c	7A.2d	7A.2e
W	3 C11	4	P11	5	P12			3	100 %	Yes X No ☐
	6 P13	7	NA	8						
7A.3a	7A.3b	1		2				7A.3c	7A.3d	7A.3e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052232

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				
6.	**7.**	**8.**	**9.**	**10.**

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	980	790	910	1100
8.2	Quantity used for energy recovery onsite	0	0	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	160000	180000	210000	250000
8.7	Quantity treated offsite	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.13	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year ? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)

YES [ ] NO [X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052233

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1998

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: SUSAN MULHOLLAND — Telephone Number (include area code): (503) 219 - 7132

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

5.2 Parent Company's Dun & Bradstreet Number: NA [X]

SCOEPA00052234

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	101	O	
5.2	Stack or point air emissions	NA [ ]	2209	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc)**

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052235

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category, or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B. 2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479						
Off-Site Location Name	BOC GASES						
Off-Site Address	1122 NORTH 52ND STREET						
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008-

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052236

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 39900	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C11			7A.1c	7A.1d	7A.1e
A	3 NA	4		5				4	99 %	Yes ☐ No X
	6	7		8						
7A.2a	7A.2b	1	A03	2	NA			7A.2c	7A.2d	7A.2e
A	3	4		5				1	99 %	Yes ☐ No X
	6	7		8						
7A.3a	7A.3b	1	C11	2	NA			7A.3c	7A.3d	7A.3e
W	3	4		5				3	100 %	Yes X No ☐
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052237

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				
6.	**7.**	**8.**	**9.**	**10.**

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	2200	2300	2700	3200
8.2	Quantity used for energy recovery onsite	0	0	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	210000	220000	250000	300000
8.7	Quantity treated offsite	37000	40000	46000	55000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.13	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year ? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box)	[ ]	[X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052238

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1998

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1

TRI Facility ID Number	97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3	Technical Contact Name	SUSAN MULHOLLAND
	Telephone Number (include area code)	(503) 219 - 7132
4.4	Public Contact Name	TOM FAHEY
	Telephone Number (include area code)	(503) 219 - 7901

4.5 SIC Code (s) (4 digits)	a. 3674	b.	c.	d.	e.	f.

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	1136	O	
5.2	Stack or point air emissions	NA [ ]	3863	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc)**

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052240

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category, or Generic Name
NITRIC ACID

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B. 2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] **and indicate the Part II, Section 6.1 page number in this box** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052241

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C11			7A.1c	7A.1d	7A.1e
A	3 NA	4		5				3	99.5 %	Yes ☐ No X
	6	7		8						
7A.2a	7A.2b	1	C99	2	NA			7A.2c	7A.2d	7A.2e
W	3	4		5				1	7 %	Yes ☐ No X
	6	7		8						
7A.3a	7A.3b	1	C11	2	NA			7A.3c	7A.3d	7A.3e
W	3	4		5				2	100 %	Yes X No ☐
	6	7		8						
7A.4a	7A.4b	1		2				7A.4c	7A.4d	7A.4e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						
7A.5a	7A.5b	1		2				7A.5c	7A.5d	7A.5e
	3	4		5					%	Yes ☐ No ☐
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052242

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	8500	5000	5700	6900
8.2	Quantity used for energy recovery onsite	0	0	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	1400000	1100000	1300000	1600000
8.7	Quantity treated offsite	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.13	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year ? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052243

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1998

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: SUSAN MULHOLLAND — Telephone Number (include area code): (503) 219 - 7132

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

5.2 Parent Company's Dun & Bradstreet Number: NA [X]

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [ ] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1046490	O	NA .
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc)**

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052245

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category, or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
55078	O

6.1.B. 1	POTW Name	CITY OF PORTLAND					
POTW Address		1211 SW 5TH AVENUE					
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B. 2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] **and indicate the Part II, Section 6.1 page number in this box** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1	Off-Site EPA Identification Number (RCRA ID No.)	NA					
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? [ ] Yes [ ] No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052246

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b: 1 NA 2 / 3 4 5 / 6 7 8	7A.1c	7A.1d	7A.1e
W		2	0 %	Yes ☐ No X
7A.2a	7A.2b: 1 NA 2 / 3 4 5 / 6 7 8	7A.2c	7A.2d	7A.2e
W		2	0 %	Yes ☐ No X
7A.3a	7A.3b: 1 2 / 3 4 5 / 6 7 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b: 1 2 / 3 4 5 / 6 7 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1 2 / 3 4 5 / 6 7 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052247

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	1300000	1000000	1200000	1400000
8.2	Quantity used for energy recovery onsite	0	0	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	68000	55000	63000	76000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.13	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year ? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052248

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY; 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1998

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/23/1999

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210-WCKRS-7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code	**City/County/State/Zip Code**
PORTLAND MULTNOMAH OR 97210-	PORTLAND OR 97283-0180

4.2 This report contains information for: (Important : check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: SUSAN MULHOLLAND — Telephone Number (include area code): (503) 219 - 7132

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219 - 7901

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: NA [X]

5.2 Parent Company's Dun & Bradstreet Number: NA [X]

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	000107211
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	ETHYLENE GLYCOL
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year) (Enter range code or estimate*)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	0	O	
5.2	Stack or point air emissions	NA [ ]	0	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	O	NA .
5.3.2					
5.3.3					
5.4.1	Underground Injection onsite to Class I Wells	NA [X]	NA		
5.4.2	Underground injection onsite to Class II-V Wells	NA [X]	NA		

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] **(example: 1,2,3, etc)**

* Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052250

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category, or Generic Name
ETHYLENE GLYCOL

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code* or estimate)	6.1.A.2 Basis of Estimate (enter code)
10761	O

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B. 2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? [ ] Yes [ ] No

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052251

EPA FORM R

PART II CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 Off-Site EPA Identification Number (RCRA ID No.)

Off-Site location Name

Off-Site Address

City | State | County | Zip -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code* or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	NA	2					7A.1c	7A.1d	7A.1e
W	3		4		5				3	0 %	Yes ☐ No X
	6		7		8						
7A.2a	7A.2b	1		2					7A.2c	7A.2d	7A.2e
	3		4		5					%	Yes ☐ No ☐
	6		7		8						
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3		4		5					%	Yes ☐ No ☐
	6		7		8						
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3		4		5					%	Yes ☐ No ☐
	6		7		8						
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3		4		5					%	Yes ☐ No ☐
	6		7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1
and indicate the Part II, Section 6.2/7A page number in this box : 1 **(example: 1,2,3, etc)**

* Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052252

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210-WCKRS-7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released **	0	0	0	0
8.2	Quantity used for energy recovery onsite	0	0	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	0	0	0
8.5	Quantity recycled offsite	0	0	0	0
8.6	Quantity treated onsite	0	0	0	0
8.7	Quantity treated offsite	13000	11000	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0001.13	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year ? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite or offsite.

SCOEPA00052253

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 97210
TRI Fac. ID: 97210WCKRS7200N
06/24/1998

ER072: sm

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act 0f 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **5** Chemical Report(s) for our facility.
These **5** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	1997	007664393	5-page Form R
HYDROCHLORIC ACID (1995 AN	1997	007647010	5-page Form R
NITRIC ACID	1997	007697372	5-page Form R
NITRATE COMPOUNDS	1997	N511	5-page Form R
ETHYLENE GLYCOL	1997	000107211	5-page Form R

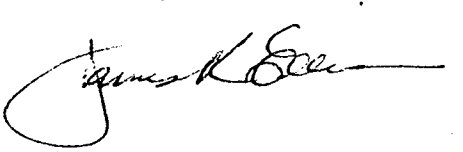
Our technical point of contact is:

SUSAN MULHOLLAND Phone Number: (503) 219 - 7132

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,



JAMES R. ELLIS
PRESIDENT

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052254

Is your RETURN ADDRESS completed on the reverse side?

SENDER:
- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):
1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
EPCRA REPORTING CTR.
COMPUTER BASED SYSTEMS INC
4600 NORTH FAIRFAX DR.
STE 300
ARLINGTON, VA. 22203

4a. Article Number
Z 209 284 319

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery
JUN 29 1998

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X EPA Reporting Center

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

SUSAN MULHOLLAND M/S 30
Z 209 284 319

US Postal Service
Receipt for Certified Mail
No Insurance Coverage Provided.
Do not use for International Mail *(See reverse)*

Sent to EPCRA REPORTING CTR COMPUTER BASED SYSTEMS	
Street & Number 4600 NORTH FAIRFAX DR.	
Post Office, State, & ZIP Code ARLINGTON VA. 22203	
Postage	$ .78
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$ 3.23
Postmark or Date	JUN 25 1998

POST OFFICE SAINT JOHNS, VA
USPS

PS Form 3800, April 1995

WACKER
Wacker Siltronic Corporation

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

June 29, 1998 ER073:SM

Subject: 1997 Toxic Chemical Release Inventory Form R Reports

Enclosed please find a copy of the toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Included is a signed copy of the submittal letter to the EPCRA Reporting Center and one (1) microcomputer diskette containing the Chemical Reports. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We submitted a total of five (5) Chemical Reports for our facility. The chemicals are reported on the regular 5-page Form R, as follows:

Chemical Name	Report Year	CAS Number
Hydrogen Fluoride	1997	007664-39-3
Hydrochloric Acid (Aerosols)	1997	007647-01-0
Nitric Acid	1997	007697-37-2
Nitrate Compounds	1997	N511 (Section 313 Category)
Ethylene Glycol	1997	000107-21-1

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

SCOEPA00052256

SUSAN MULHOLLAND M/S 30

Z 209 284 307

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to OR. EMER. RESP COMM. STATE FIRE MARSHAL	
Street & Number 4760 PORTLAND RD. NE.	
Post Office, State, & ZIP Code SALEM OR. 97305-1760	
Postage	$ .78
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	
TOTAL Postage & Fees	$ 3.23
Postmark or Date	JUN 29 1998 USPS

PS Form **3800**, April 1995

Is your **RETURN ADDRESS** completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:
MR. BOB ALBERS
OREGON EMERGENCY RESPONSE COM.
90 STATE FIRE MARSHALL
4760 PORTLAND RD. NE.
SALEM, OR. 97305-1760

4a. Article Number
Z 209 284 307

4b. Service Type
☐ Registered ☒ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery 6-30-98

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*
X

PS Form **3811**, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116 - 3348
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

WACKER SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND
OR 97210
TRI Fac. ID: 97210WCKRS7200N
06/24/1998

ER072:sm

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act 0f 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of **5** Chemical Report(s) for our facility.
These **5** chemical report(s) are described below:

Chemical Name	Report Year	CAS Number	Report Type
HYDROGEN FLUORIDE	1997	007664393	5-page Form R
HYDROCHLORIC ACID (1995 AN	1997	007647010	5-page Form R
NITRIC ACID	1997	007697372	5-page Form R
NITRATE COMPOUNDS	1997	N511	5-page Form R
ETHYLENE GLYCOL	1997	000107211	5-page Form R

Our technical point of contact is:

SUSAN MULHOLLAND Phone Number: (503) 219 - 7132

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely,

JAMES R. ELLIS
PRESIDENT

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052258

Electronic Report
Versions Only
Submitted
to feds & state
(1 diskette)

SCOEPA00052259

Hydrogen Fluoride

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

MPORTANT: Type or print; read instructions before completing form)

EPA

United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address(if different from street address)

Street	Mailing Address
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-	City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable)
a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name	SUSAN MULHOLLAND	Telephone Number(include area code): (503) 219 - 7132
4.4 Public Contact Name	JIM HARPER	Telephone Number (include area code): (503) 219 - 7506

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6 Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA	
5.2	Parent Company's Dun & Bradstreet Number	[X] NA	

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important**only**) if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	162	O	
5.2	Stack or point air emissions	NA [ ]	816	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
HYDROGEN FLUORIDE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box 1 **and indicate which Part II, Section 6.1 page this is here** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052262

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No ☒
A				
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 3	7A.2d: 100 %	7A.2e: Yes ☒ No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1 **and indicate which page(of Part II, Section 6.2/7A) is provided here:** 1 **(example: 1,2,3, etc)**

SCOEPA00052263

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	1094	980	980	1100
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	180000	160000	160000	180000
8.7	Quantity treated off-site	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)		X

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, ecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052264

Hydrochloric Acid (Aerosols)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

MPORTANT: Type or print; read instructions before completing form)

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address(if different from street address)

Street: 7200 NW FRONT AVENUE

Mailing Address: P.O. BOX 83180

City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-

City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable)
a. [X] An entire facility
b. [ ] Part of a facility
c. [ ] A Federal facility

4.3	**Technical Contact Name**	SUSAN MULHOLLAND	Telephone Number(include area code) (503) 219 - 7132
4.4	**Public Contact Name**	JIM HARPER	Telephone Number (include area code) (503) 219 - 7506

4.5 SIC Code (s) (4 digits)	a. 3674	b.	c.	d.	e.	f.

		Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
4.6	Latitude	045	34	36	Longitude	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA	
5.2	Parent Company's Dun & Bradstreet Number	[X] NA	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTEF

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important**only**) if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	101	O	
5.2	Stack or point air emissions	NA [ ]	2114	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

SCOEPA00052266

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "/

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box [1] **and indicate which Part II, Section 6.1 page this is here** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	AZD043840479					
Off-Site Location Name	BOC GASES						
Off-Site Address	1122 NORTH 52ND STREET						
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008

Is location under control of reporting facility or parent company? [ ] **Yes** [X] **No**

SCOEPA00052267

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 36750	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? [ ] **Yes** [ ] **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 A03, 2 C11; 3 NA, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
A		4	99 %	Yes [ ] No [X]
7A.2a	7A.2b: 1 A03, 2 NA; 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
A		1	99 %	Yes [ ] No [X]
7A.3a	7A.3b: 1 C11, 2 NA; 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
W		3	100 %	Yes [X] No [ ]
7A.4a	7A.4b: 1, 2; 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1, 2; 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1] **and indicate which page(of Part II, Section 6.2/7A) is provided here:** [1] **(example: 1,2,3, etc)**

SCOEPA00052268

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA 2. [ ] 3. [ ] 4. [ ] 5. [ ]

6. [ ] 7. [ ] 8. [ ] 9. [ ] 10. [ ]

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	2000	2200	2200	2400
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	120000	210000	210000	230000
8.7	Quantity treated off-site	31425	37000	37000	40000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, ejecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052269

Nitin Aud

Form Approved OMB Number: 2070-0093

IMPORTANT: Type or print; read instructions before completing form)

Approval Expires: 04/2000

EPA

United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address(if different from street address)

Street: 7200 NW FRONT AVENUE

Mailing Address: P.O. BOX 83180

City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-

City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable)
a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3	Technical Contact Name	SUSAN MULHOLLAND			Telephone Number(include area code) (503) 219 - 7132		
4.4	Public Contact Name	JIM HARPER			Telephone Number (include area code) (503) 219 - 7506		
4.5	SIC Code (s) (4 digits)	a. 3674	b.	c.	d.	e.	f.

		Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
4.6	Latitude	045	34	36	Longitude	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA	
5.2	Parent Company's Dun & Bradstreet Number	[X] NA	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	1398	O	
5.2	Stack or point air emissions	NA [ ]	7059	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

SCOEPA00052271

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
NITRIC ACID

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address		1211 SW 5TH AVENUE					
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box 1 **and indicate which Part II, Section 6.1 page this is here** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA					
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052272

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? [ ] **Yes** [ ] **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 3	7A.1d: 99.5 %	7A.1e: Yes [ ] No [X]
A				
7A.2a	7A.2b: 1 C99, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 1	7A.2d: 7 %	7A.2e: Yes [ ] No [X]
W				
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c: 2	7A.3d: 100 %	7A.3e: Yes [X] No [ ]
W				
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes [ ] No [ ]
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1] **and indicate which page(of Part II, Section 6.2/7A) is provided here:** [1] **(example: 1,2,3, etc)**

SCOEPA00052273

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	6300	8500	8500	9300
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	1000000	1400000	1400000	1500000
8.7	Quantity treated off-site	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)		X

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, ecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052274

Nitrate Compounds

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

MPORTANT: Type or print; read instructions before completing form)

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address(if different from street address)

Street: 7200 NW FRONT AVENUE

Mailing Address: P.O. BOX 83180

City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-

City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable)
a. [X] An entire facility
b. [ ] Part of a facility
c. [ ] A Federal facility

4.3 Technical Contact Name: SUSAN MULHOLLAND — Telephone Number(include area code): (503) 219 - 7132

4.4 Public Contact Name: JIM HARPER — Telephone Number (include area code): (503) 219 - 7506

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: [X] NA

5.2 Parent Company's Dun & Bradstreet Number: [X] NA

SCOEPA00052275

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)

N511

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

NITRATE COMPOUNDS

1.3 Generic Chemical Name (Important**only**) if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)

NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)

NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	**3.2 Process the toxic chemical:**	**3.3 Otherwise use the toxic chemical:**
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [ ] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1287346	O	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
67755	O

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box 1 **and indicate which Part II, Section 6.1 page this is here** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA					
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052277

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 NA, 2, 3, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
W		2	0 %	Yes ☐ No ☒
7A.2a	7A.2b: 1 NA, 2, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
W		2	0 %	Yes ☐ No ☒
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1 **and indicate which page(of Part II, Section 6.2/7A) is provided here:** 1 **(example: 1,2,3, etc)**

SCOEPA00052278

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA 2. [ ] 3. [ ] 4. [ ] 5. [ ]

6. [ ] 7. [ ] 8. [ ] 9. [ ] 10. [ ]

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	875000	1300000	1300000	1400000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	96000	0	0	0
8.7	Quantity treated off-site	53200	68000	68000	75000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box) YES [ ] NO [X]

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, ejecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052279

Ethylene Glycol

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

MPORTANT: Type or print; read instructions before completing form)

EPA

United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

	Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
4.1	WACKER SILTRONIC CORP.	
	Street: 7200 NW FRONT AVENUE	Mailing Address: P.O. BOX 83180
	City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-	City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3	Technical Contact Name: SUSAN MULHOLLAND	Telephone Number(include area code): (503) 219 - 7132	
4.4	Public Contact Name: JIM HARPER	Telephone Number (include area code): (503) 219 - 7506	

4.5 SIC Code (s) (4 digits)	a. 3674	b.	c.	d.	e.	f.

4.6 Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA	
5.2	Parent Company's Dun & Bradstreet Number	[X] NA	

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	000107211
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	ETHYLENE GLYCOL
1.3	Generic Chemical Name (Important**only**) if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	0	O	
5.2	Stack or point air emissions	NA [ ]	0	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	O	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

SCOEPA00052281

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
ETHYLENE GLYCOL

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
13335	O

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box 1 **and indicate which Part II, Section 6.1 page this is here** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA					
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052282

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 NA, 2, 3, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
W		3	0 %	Yes ☐ No ☒
7A.2a	7A.2b: 1, 2, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
			%	Yes ☐ No ☐
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1 **and indicate which page(of Part II, Section 6.2/7A) is provided here:** 1 **(example: 1,2,3, etc)**

SCOEPA00052283

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	NA	0	0	0
8.2	Quantity used for energy recovery on-site	NA	0	0	0
8.3	Quantity used for energy recovery off-site	NA	0	0	0
8.4	Quantity recycled on-site	NA	0	0	0
8.5	Quantity recycled off-site	NA	0	0	0
8.6	Quantity treated on-site	NA	0	0	0
8.7	Quantity treated off-site	NA	13000	13000	15000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

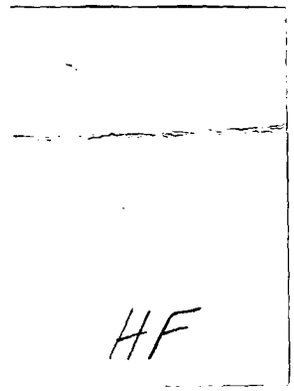
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)

YES [ ] NO [X]

*Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, ecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052284


HF

EPA

United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY	2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)	Enter "X" here if this is a revision:	
		For EPA use only	

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1	Are you claiming the toxic chemical identified on page 3 trade secret?	2.2	Is this copy:
	☐ Yes. (Answer question 2.2; Attach substantiation forms) ☒ No (Do not answer 2.2; Go to Section 3)		☐ Sanitized ☐ Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Address: P.O. BOX 83180
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-	City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2	This report contains information for: (Important check a or b; check c if applicable	a. ☒ An entire facility	b. ☐ Part of a facility	c. ☐ A Federal facility

4.3	Technical Contact Name	SUSAN MULHOLLAND	Telephone Number(include area code): (503) 219 - 7132
4.4	Public Contact Name	JIM HARPER	Telephone Number (include area code): (503) 219 - 7506

4.5 SIC Code (s) (4 digits)	a. 3674	b.	c.	d.	e.	f.

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	☒ NA	
5.2	Parent Company's Dun & Bradstreet Number	☒ NA	

SCOEPA00052286

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	162	O	
5.2	Stack or point air emissions	NA [ ]	816	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

SCOEPA00052287

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
HYDROGEN FLUORIDE

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box [1] **and indicate which Part II, Section 6.1 page this is here** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052288

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? [ ] **Yes** [ ] **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes [ ] No [X]
A				
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 3	7A.2d: 100 %	7A.2e: Yes [X] No [ ]
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes [ ] No [ ]
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes [ ] No [ ]
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1] **and indicate which page(of Part II, Section 6.2/7A) is provided here:** [1] **(example: 1,2,3, etc)**

SCOEPA00052289

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 NA 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1. NA 2. [ ] 3. [ ] 4. [ ] 5. [ ]

6. [ ] 7. [ ] 8. [ ] 9. [ ] 10. [ ]

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	1094	980	980	1100
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	180000	160000	160000	180000
8.7	Quantity treated off-site	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box) YES [ ] NO [X]

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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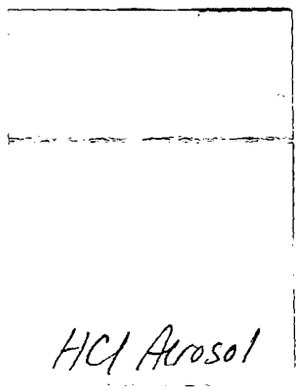

HCl Aerosol

EPA

United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center P.O Box 3348 Merrifield, VA 22116-3348 ATTN: TOXIC CHEMICAL RELEASE INVENTORY	2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)	Enter "X" here if this is a revision	
		For EPA use only	

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1	Are you claiming the toxic chemical identified on page 3 trade secret?	2.2	Is this copy:
	[ ] Yes. (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)		[ ] Sanitized [ ] Unsanitized **(Answer only if "YES" in 2.1)**

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1	Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
	WACKER SILTRONIC CORP.	
	Street: 7200 NW FRONT AVENUE	Mailing Address: P.O. BOX 83180
	City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-	City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2	This report contains information for: (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility

4.3	Technical Contact Name	SUSAN MULHOLLAND	Telephone Number(include area code): (503) 219 - 7132
4.4	Public Contact Name	JIM HARPER	Telephone Number (include area code): (503) 219 - 7506

4.5	SIC Code (s) (4 digits)	a. 3674	b.	c.	d.	e.	f.

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA	
	Parent Company's Dun & Bradstreet Number	[X] NA	

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTEF

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important**only**) if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	101	O	
5.2	Stack or point air emissions	NA [ ]	2114	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

SCOEPA00052293

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "/

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address		1211 SW 5TH AVENUE					
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box [1] **and indicate which Part II, Section 6.1 page this is here** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	AZD043840479					
Off-Site Location Name		BOC GASES					
Off-Site Address		1122 NORTH 52ND STREET					
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008

Is location under control of reporting facility or parent company? [ ] **Yes** [X] **No**

SCOEPA00052294

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 36750	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
A		4	99 %	Yes ☐ No X
7A.2a	7A.2b: 1 A03, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
A		1	99 %	Yes ☐ No X
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
W		3	100 %	Yes X No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1 **and indicate which page(of Part II, Section 6.2/7A) is provided here:** 1 **(example: 1,2,3, etc)**

SCOEPA00052295

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTEI

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	2000	2200	2200	2400
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	120000	210000	210000	230000
8.7	Quantity treated off-site	31425	37000	37000	40000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

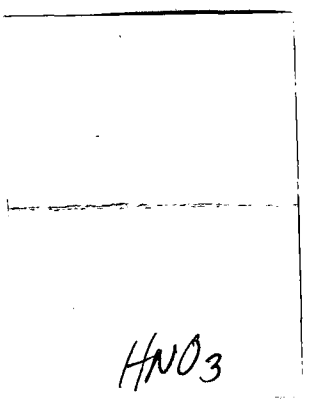
8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)		X

*port releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, *ecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052296


HNO_3

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address(if different from street address)

Street	Mailing Address
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-	City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3	**Technical Contact Name**	SUSAN MULHOLLAND			Telephone Number(include area code) (503) 219 - 7132		
4.4	**Public Contact Name**	JIM HARPER			Telephone Number (include area code) (503) 219 - 7506		
4.5	**SIC Code (s) (4 digits)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude**	Degrees 045	Minutes 34	Seconds 36	**Longitude**	Degrees 122	Minutes 45	Seconds 10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company [X] NA

5.2 Parent Company's Dun & Bradstreet Number [X] NA

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important**only**) if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	1398	O	
5.2	Stack or point air emissions	NA [ ]	7059	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1	M	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

SCOEPA00052299

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
NITRIC ACID

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box [1] **and indicate which Part II, Section 6.1 page this is here** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052300

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? [ ] **Yes** [ ] **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 3	7A.1d: 99.5 %	7A.1e: Yes [ ] No [X]
A				
7A.2a	7A.2b: 1 C99, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 1	7A.2d: 7 %	7A.2e: Yes [ ] No [X]
W				
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c: 2	7A.3d: 100 %	7A.3e: Yes [X] No [ ]
W				
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes [ ] No [ ]
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [1] **and indicate which page(of Part II, Section 6.2/7A) is provided here:** [1] **(example: 1,2,3, etc)**

SCOEPA00052301

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	6300	8500	8500	9300
8.2	Quantity used for energy recovery on-site	0	0	0	0
[illegible]	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	1000000	1400000	1400000	1500000
8.7	Quantity treated off-site	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

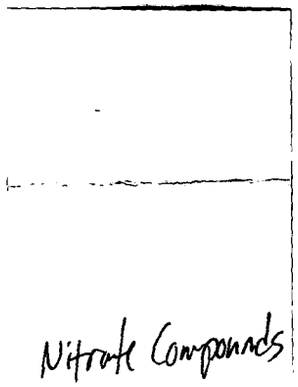
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)

YES [ ] NO [X]

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, [illegible]ecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052302



SCOEPA00052303

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY; 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address(if different from street address)

Street	Mailing Address
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-	City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: SUSAN MULHOLLAND — Telephone Number(include area code): (503) 219 - 7132

4.4 Public Contact Name: JIM HARPER — Telephone Number (include area code): (503) 219 - 7506

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6 Latitude: Degrees 045, Minutes 34, Seconds 36 — Longitude: Degrees 122, Minutes 45, Seconds 10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: [X] NA

Parent Company's Dun & Bradstreet Number: [X] NA

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important**only**) if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [ ] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		1287346	O	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
67755	O

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box [1] **and indicate which Part II, Section 6.1 page this is here** [1] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA					
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052306

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 NA, 2, 3, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
W		2	0 %	Yes ☐ No ☒
7A.2a	7A.2b: 1 NA, 2, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
W		2	0 %	Yes ☐ No ☒
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1 **and indicate which page(of Part II, Section 6.2/7A) is provided here:** 1 **(example: 1,2,3, etc)**

SCOEPA00052307

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	875000	1300000	1300000	1400000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	96000	0	0	0
8.7	Quantity treated off-site	53200	68000	68000	75000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

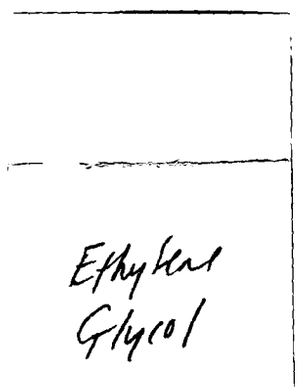
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)

YES [ ] NO [X]

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, *injecting, escaping, leaching, dumping, or disposing into the environment.*" Do not include any quantity treated on-site or off-site.

SCOEPA00052308


Ethylene
Glycol

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 1997

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy: [ ] Sanitized [ ] Unsanitized
(Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/25/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number: 97210WCKRS7200N

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Facility or Establishment Name or Mailing Address(if different from street address)

Street	Mailing Address
7200 NW FRONT AVENUE	P.O. BOX 83180
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-	City/County/State/Zip Code: PORTLAND OR 97283-0180

4.2 This report contains information for: (Important check a or b; check c if applicable)
a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3 Technical Contact Name: SUSAN MULHOLLAND — Telephone Number(include area code): (503) 219 - 7132

4.4 Public Contact Name: JIM HARPER — Telephone Number (include area code): (503) 219 - 7506

4.5 SIC Code (s) (4 digits): a. 3674 b. c. d. e. f.

4.6 Latitude: Degrees 045, Minutes 34, Seconds 36 — Longitude: Degrees 122, Minutes 45, Seconds 10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b. NA	b. NA	b. NA	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1 Name of Parent Company: [X] NA

Parent Company's Dun & Bradstreet Number: [X] NA

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	000107211
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	ETHYLENE GLYCOL
1.3	Generic Chemical Name (Important**only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [ ] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [ ] As a byproduct	c. [ ] As an article component	c. [X] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate.	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	0	O	
5.2	Stack or point air emissions	NA [ ]	0	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	O	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground injection on-site to Class II-V Wells	NA [X]	NA		

SCOEPA00052311

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
ETHYLENE GLYCOL

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
13335	O

6.1.B.1	POTW Name	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached the total number of pages in this box 1 **and indicate which Part II, Section 6.1 page this is here** 1 **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1	OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA					
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

SCOEPA00052312

EPA FORM R

PART II CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2 2 OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ **Yes** ☐ **No**

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data
7A.1a	7A.1b: 1 NA, 2, 3, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
W		3	0 %	Yes ☐ No ☒
7A.2a	7A.2b: 1, 2, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
			%	Yes ☐ No ☐
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
			%	Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box 1 **and indicate which page(of Part II, Section 6.2/7A) is provided here:** 1 **(example: 1,2,3, etc)**

SCOEPA00052313

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
ETHYLENE GLYCOL

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	NA	0	0	0
8.2	Quantity used for energy recovery on-site	NA	0	0	0
8.3	Quantity used for energy recovery off-site	NA	0	0	0
8.4	Quantity recycled on-site	NA	0	0	0
8.5	Quantity recycled off-site	NA	0	0	0
8.6	Quantity treated on-site	NA	0	0	0
8.7	Quantity treated off-site	NA	13000	13000	15000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1 .33	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)

YES [ ] NO [X]

* Report releases pursuant to EPCRA Section 329(8) including, any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052314

WACKER SILTRONIC CORP.
7200 N.W. FRONT AVE.
PORTLAND
OR ,972100180
TRI Fac.ID: 97210WCKRS7200N
9 / 8 /1997

ER35:MS

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3342
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 reports from our facility, which refer to 4 chemicals.

4 chemicals are reported as follows:

Chemical Name	Report Year	CAS Number	Report Status
HYDROGEN FLUORIDE	1996	007664393	9-page Form R
NITRIC ACID	1996	007697372	9-page Form R
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1996	007647010	9-page Form R
NITRATE COMPOUNDS	1996	N511	9-page Form R

Our technical point of contact is:
MICHAEL SUTTON Phone Number (503)243-2020
and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

JOHN PITTMAN
DIRECTOR OF FACILITIES
WACKER SILTRONIC CORP.

EPA
United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State:

Zip Code:

PUT LABEL HERE

SCOEPA00052316

EPA

United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐	Produce	If produce or import: c. ☐	For on-site use/processing
		b. ☐	Import	d. ☐	For sale/distribution
				e. ☐	As a byproduct
				f. ☐	As an impurity
3.2	**Process the toxic chemical:**	a. ☐	As a reactant	c. ☐	As an article component
		b. ☐	As a formulation component	d. ☐	Repackaging
3.3	**Otherwise use the toxic chemical:**	a. ☐	As a chemical processing aid	c. ☒	Ancillary or other use
		b. ☐	As a manufacturing aid		

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	181	O	
5.2	Stack or point air emissions	☐ NA	913	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: HYDROGEN FLUORIDE

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 5.3/6.1 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No ☒
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes ☒ No ☐
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

SCOEPA00052323

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	118	1094	1700	2200
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	106683	180000	280000	360000
8.7	Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052324

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
☐ Yes. (Answer question 2.2; Attach substantiation forms)
☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	TRI Facility ID Number
WACKER SILTRONIC CORP.	97210WCKRS7200N
Street Address: 7200 N.W. FRONT AVE.	
City: PORTLAND	County: MULTNOMAH
State: OR	Zip Code: 97210-0180
Mailing Address (if different from street address):	PUT LABEL HERE
City:	
State:	Zip Code: -

SCOEPA00052325

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EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020			
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020			
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.	

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1041	O	
5.2	Stack or point air emissions	☐ NA	5255	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: NITRIC ACID

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name	6.1.B.2 POTW Name
CITY OF PORTLAND	
Street Address: 1211 SW 5TH AVENUE	Street Address:
City: PORTLAND	City:
County: MULTNOMAH	County:
State: OR	State:
Zip Code: 97204-	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

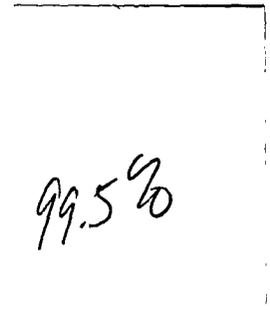
State: Zip Code: -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

SCOEPA00052330


99.5%

1 [C99] 2 [NA]

7A. 3a 7A. 2c

W 1

7% No [X]

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 3	7A.1d: 99 %	7A.1e: Yes ☐ No X
7A.2a	7A.2b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes X No ☐
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

SCOEPA00052334

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	793	6300	9800	13000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	609434	1000000	1600000	2000000
8.7	Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052335

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United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

[ ] Yes. (Answer question 2.2; Attach substantiation forms)

[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State: Zip Code:

PUT LABEL HERE

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PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. [X]	Produce	If produce or import: c. [ ]	For on-site use/processing
		b. [ ]	Import	d. [ ]	For sale/distribution
				e. [X]	As a byproduct
				f. [ ]	As an impurity
3.2	**Process the toxic chemical:**	a. [ ]	As a reactant	c. [ ]	As an article component
		b. [ ]	As a formulation component	d. [ ]	Repackaging
3.3	**Otherwise use the toxic chemical:**	a. [ ]	As a chemical processing aid	c. [X]	Ancillary or other use
		b. [ ]	As a manufacturing aid		

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFT

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	94	O	
5.2	Stack or point air emissions	☐ NA	1887	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: HYDROCHLORIC ACID (1995 A

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [1] **and indicate which Part II, Section 5.3/6.1 page this is, here.** [1] **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): AZD043840479

Off-Site Location Name: BOC GASES

Street Address: 1122 NORTH 52ND STREET

City: PHOENIX | County: MARICOPA

State: AZ | Zip Code: 85008- | Is location under control of reporting facility or parent company? ☐ Yes ☒ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. 31425	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: | County:

State: | Zip Code: - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 5	7A.1d: 99 %	7A.1e: Yes ☐ No X
A				
7A.2a	7A.2b: 1 A03, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 1	7A.2d: 99 %	7A.2e: Yes ☐ No X
A				
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c: 2	7A.3d: 100 %	7A.3e: Yes X No ☐
W				
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	1210	2000	3100	4000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	119466	120000	190000	240000
8.7	Quantity treated off-site	20535	31425	49000	63000

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JOHN PITTMAN DIRECTOR OF FACILITIES

Signature

Date Signed
09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.
TRI Facility ID Number: 97210WCKRS7200N
Street Address: 7200 N.W. FRONT AVE.
City: PORTLAND
County: MULTNOMAH
State: OR
Zip Code: 97210-0180
Mailing Address (if different from street address):
City:
State:
Zip Code:

PUT LABEL HERE

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PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020			
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020			
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.	
4.6	**Latitude and Longitude**	Latitude			Longitude			
		Degrees: 045	Minutes: 34	Seconds: 36	Degrees: 122	Minutes: 45	Seconds: 10	
	Dun & Bradstreet Number(s) (9 digits)	a. 096253737						
		b.						
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737						
		b.						
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589						
		b.						
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA						
		b.						

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1024	O	
5.2	Stack or point air emissions	☐ NA	5170	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		869000	C	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N

Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
53200	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVE		Street Address:	
City: PORTLAND	County: MULTNOMAH	City:	County:
State: OR	Zip Code: 97204-	State:	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 NA	7A.1c	7A.1d	7A.1e
A	3, 4, 5, 6, 7, 8	3	99 %	Yes ☐ No X
7A.2a	7A.2b: 1 NA, 2	7A.2c	7A.2d	7A.2e
W	3, 4, 5, 6, 7, 8	2	0 %	Yes ☐ No X
7A.3a	7A.3b: 1 C99, 2 NA	7A.3c	7A.3d	7A.3e
W	3, 4, 5, 6, 7, 8	1	9.29 %	Yes ☐ No X
7A.4a	7A.4b: 1 NA, 2	7A.4c	7A.4d	7A.4e
W	3, 4, 5, 6, 7, 8	2	0 %	Yes ☐ No X
7A.5a	7A.5b: 1, 2	7A.5c	7A.5d	7A.5e
	3, 4, 5, 6, 7, 8		%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	630000	875000	1400000	1750000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	69000	96000	150000	190000
8.7	Quantity treated off-site	0	53200	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box) YES [ ] NO [X]

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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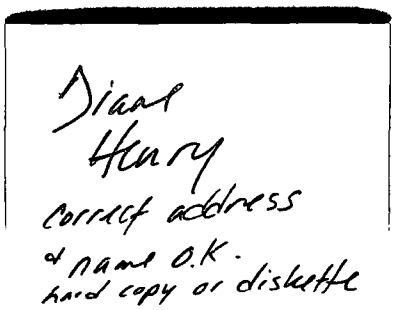

SCOEPA00052354

WACKER
Wacker Siltronic Corporation

September 8, 1997 ER34:MS

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshall
4760 Portland Road, Northeast
Salem, Oregon 97305-1760

Dear Mr. Albers:

Enclosed please find the Toxics Release Inventory Form R reports containing information for Wacker Siltronic Corporation (TRI facility ID 97210WCKRS7200N). This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three reports from our facility, which refer to three chemicals. The chemicals are reported on the regular 9-page Form R, as follows:

Chemical name	Reporting Year	CAS Number
HYDROGEN FLUORIDE	1996	007664-39-3
NITRIC ACID	1996	007697-37-2
HYDROCHLORIC ACID	1996	007647-01-0
NITRATE COMPOUNDS	1996	N511

Our technical point of contact is Michael Sutton who can be contacted at (503) 243-2020 if there should be any questions related to these reports.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

John Pittman
Director of Facilities
Wacker Siltronic Corporation

cc: Tom McCue

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision	X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN — DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

	Facility or Establishment Name: WACKER SILTRONIC CORP.	TRI Facility ID Number: 97210WCKRS7200N
	Street Address: 7200 N.W. FRONT AVE.	
	City: PORTLAND	County: MULTNOMAH
	State: OR	Zip Code: 97210-0180
4.1	Mailing Address (if different from street address):	
	City:	
	State:	Zip Code: -

PUT LABEL HERE

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EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020			
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020			
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.	
4.6	**Latitude and Longitude**	Latitude			Longitude			
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds	
		045	34	36	122	45	10	
4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737						
		b.						
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737						
		b.						
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589						
		b.						
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA						
		b.						

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

SCOEPA00052357

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	181	O	
5.2	Stack or point air emissions	☐ NA	913	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: HYDROGEN FLUORIDE

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name	6.1.B.2 POTW Name
CITY OF PORTLAND	
Street Address: 1211 SW 5TH AVENUE	Street Address:
City: PORTLAND	City:
County: MULTNOMAH	County:
State: OR	State:
Zip Code: 97204-	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No X
A				
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes X No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box 1 and indicate which page 7 this is, here. 1 (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

ECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

l quantity estimates can be reported sing up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
1	Quantity released*	118	1094	1700	2200
2	Quantity used for energy recovery on-site	0	0	0	0
3	Quantity used for energy recovery off-site	0	0	0	0
4	Quantity recycled on-site	0	0	0	0
5	Quantity recycled off-site	0	0	0	0
6	Quantity treated on-site	106683	180000	280000	360000
7	Quantity treated off-site	0	0	0	0
8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
9	Production ratio or activity index	0001.05			

.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
.10.1	NA	a.	b.	c.
.10.2		a.	b.	c.
.10.3		a.	b.	c.
.10.4		a.	b.	c.

		YES	NO
.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)		X

R releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN — DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

	Facility or Establishment Name: WACKER SILTRONIC CORP.	TRI Facility ID Number: 97210WCKRS7200N
	Street Address: 7200 N.W. FRONT AVE.	
	City: PORTLAND	County: MULTNOMAH
	State: OR	Zip Code: 97210-0180
4.1	Mailing Address (if different from street address):	
	City:	PUT LABEL HERE
	State:	Zip Code: -

SCOEPA00052365

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United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020			
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020			
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.	

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

				If produce or import:	
3.1	**Manufacture the toxic chemical:**	a. ☐	Produce	c. ☐	For on-site use/processing
		b. ☐	Import	d. ☐	For sale/distribution
				e. ☐	As a byproduct
				f. ☐	As an impurity
3.2	**Process the toxic chemical:**	a. ☐	As a reactant	c. ☐	As an article component
		b. ☐	As a formulation component	d. ☐	Repackaging
3.3	**Otherwise use the toxic chemical:**	a. ☐	As a chemical processing aid	c. ☒	Ancillary or other use
		b. ☐	As a manufacturing aid		

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1041	O	
5.2	Stack or point air emissions	☐ NA	5255	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: NITRIC ACID

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B. 2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 3	7A.1d: 99 %	7A.1e: Yes ☐ No X
A				
7A.2a	7A.2b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes X No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

ECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

nergy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

ECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

ECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

ll quantity estimates can be reported sing up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
1	Quantity released*	793	6300	9800	13000
.2	Quantity used for energy recovery on-site	0	0	0	0
.3	Quantity used for energy recovery off-site	0	0	0	0
.4	Quantity recycled on-site	0	0	0	0
.5	Quantity recycled off-site	0	0	0	0
.6	Quantity treated on-site	609434	1000000	1600000	2000000
.7	Quantity treated off-site	0	0	0	0
.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
.9	Production ratio or activity index	0001.05			

.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
.10.1	NA	a.	b.	c.
.10.2		a.	b.	c.
.10.3		a.	b.	c.
.10.4		a.	b.	c.

		YES	NO
.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

* R releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

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PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

[ ] Yes. (Answer question 2.2; Attach substantiation forms)

[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

	Facility or Establishment Name: WACKER SILTRONIC CORP.	TRI Facility ID Number: 97210WCKRS7200N
	Street Address: 7200 N.W. FRONT AVE.	
	City: PORTLAND	County: MULTNOMAH
4.1	State: OR	Zip Code: 97210-0180
	Mailing Address (if different from street address):	PUT LABEL HERE
	City:	
	State:	Zip Code: -

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EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. [X] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [X] As a byproduct f. [ ] As an impurity	
3.2	**Process the toxic chemical:**	a. [ ] As a reactant b. [ ] As a formulation component	c. [ ] As an article component d. [ ] Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFT

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	94	O	
5.2	Stack or point air emissions	☐ NA	1887	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: HYDROCHLORIC ACID (1995 A

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name	6.1.B.2 POTW Name
CITY OF PORTLAND	
Street Address: 1211 SW 5TH AVENUE	Street Address:
City: PORTLAND	City:
County: MULTNOMAH	County:
State: OR	State:
Zip Code: 97204-	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): AZD043840479

Off-Site Location Name: BOC GASES

Street Address: 1122 NORTH 52ND STREET

City: PHOENIX | County: MARICOPA

State: AZ | Zip Code: 85008- | Is location under control of reporting facility or parent company? ☐ Yes ☒ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. 31425	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: | County:

State: | Zip Code: - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11	7A.1c	7A.1d	7A.1e
A	3 NA, 4, 5, 6, 7, 8	5	99 %	Yes ☐ No ☒
7A.2a	7A.2b: 1 A03, 2 NA	7A.2c	7A.2d	7A.2e
A	3, 4, 5, 6, 7, 8	1	99 %	Yes ☐ No ☒
7A.3a	7A.3b: 1 C11, 2 NA	7A.3c	7A.3d	7A.3e
W	3, 4, 5, 6, 7, 8	2	100 %	Yes ☒ No ☐
7A.4a	7A.4b: 1, 2	7A.4c	7A.4d	7A.4e
	3, 4, 5, 6, 7, 8		%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2	7A.5c	7A.5d	7A.5e
	3, 4, 5, 6, 7, 8		%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND

ECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	ll quantity estimates can be reported sing up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
.1	Quantity released*	1210	2000	3100	4000
.2	Quantity used for energy recovery on-site	0	0	0	0
.3	Quantity used for energy recovery off-site	0	0	0	0
.4	Quantity recycled on-site	0	0	0	0
.5	Quantity recycled off-site	0	0	0	0
.6	Quantity treated on-site	119466	120000	190000	240000
.7	Quantity treated off-site	20535	31425	49000	63000
.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
.9	Production ratio or activity index	0001.05			

.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
.10.1	NA	a.	b.	c.
.10.2		a.	b.	c.
.10.3		a.	b.	c.
.10.4		a.	b.	c.

		YES	NO
.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

* R t releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052382

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United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

mportant: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JOHN PITTMAN DIRECTOR OF FACILITIES

Signature John Pittman

Date Signed 09-08-97

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

4.1 Mailing Address (if different from street address):

City:

State: Zip Code: -

PUT LABEL HERE

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United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020			
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020			
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.	

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

				If produce or import:	
3.1	**Manufacture the toxic chemical:**	a. ☐	Produce	c. ☐	For on-site use/processing
		b. ☐	Import	d. ☐	For sale/distribution
				e. ☐	As a byproduct
				f. ☐	As an impurity
3.2	**Process the toxic chemical:**	a. ☐	As a reactant	c. ☐	As an article component
		b. ☐	As a formulation component	d. ☐	Repackaging
3.3	**Otherwise use the toxic chemical:**	a. ☐	As a chemical processing aid	c. ☒	Ancillary or other use
		b. ☐	As a manufacturing aid		

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

SCOEPA00052385

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1024	O	
5.2	Stack or point air emissions	☐ NA	5170	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name WILLAMETTE RIVER		869000	C	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground Injections on-site to Class I Wells	☒ NA			
5.4.2	Underground Injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface Impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
53200	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

SCOEPA00052387

EPA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

3.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 NA	7A.1c	7A.1d	7A.1e
A	3 , 4 , 5 , 6 , 7 , 8	3	99 %	Yes ☐ No X
7A.2a	7A.2b: 1 NA, 2	7A.2c	7A.2d	7A.2e
W	3 , 4 , 5 , 6 , 7 , 8	2	0 %	Yes ☐ No X
7A.3a	7A.3b: 1 C99, 2 NA	7A.3c	7A.3d	7A.3e
W	3 , 4 , 5 , 6 , 7 , 8	1	9.29 %	Yes ☐ No X
7A.4a	7A.4b: 1 NA, 2	7A.4c	7A.4d	7A.4e
W	3 , 4 , 5 , 6 , 7 , 8	2	0 %	Yes ☐ No X
7A.5a	7A.5b: 1 , 2	7A.5c	7A.5d	7A.5e
	3 , 4 , 5 , 6 , 7 , 8		%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this x [1] **and indicate which page 7 this is, here.** [1] **(example: 1, 2, 3, etc.)**

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	630000	875000	1400000	1750000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	69000	96000	150000	190000
8.7	Quantity treated off-site	0	53200	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052391

WACKER
Wacker Siltronic Corporation

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

September 3, 1998 ER082:SM

Subject: Toxic Chemical Release Inventory Form R Reports

Enclosed please find copies of toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Three reports are enclosed, including two inadvertent omissions from previous years and one revision. Included is a signed copy of the submittal letter to the EPCRA Reporting Center. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) Chemical Reports for our facility. Two chemical reports were inadvertently missed during their respective report years and are reported on the regular 5-page Form R. One chemical report is a revision to a previously submitted report. Revisions are noted in blue ink on a photocopy of the original 9-page Form R. The reports are as follows:

Chemical Name	Report Year	CAS Number
Nitrate Compounds	1995	N511 (Section 313 Category)
Ethylene Glycol	1996	000107-21-1
Nitrate Compounds (Revision)	1996	N511 (Section 313 Category)

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Sent Enclosures as ER081:SM

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052392

Return to: Susan Mulholland MS30

Z 463 352 338

US Postal Service

Receipt for Certified Mail

No Insurance Coverage Provided.

Do not use for International Mail *(See reverse)*

Sent to	State Fire Marshal
Street & Number	4760 Portland Rd NE
Post Office, State, & ZIP Code	Salem OR 97305-1760
Postage	$ 1.24
Certified Fee	1.35
Special Delivery Fee	
Restricted Delivery Fee	
Return Receipt Showing to Whom & Date Delivered	1.10
Return Receipt Showing to Whom, Date, & Addressee's Address	SEP 24 1998
TOTAL Postage & Fees	$ 3.69
Postmark or Date	PORTLAND OR SAINT JOHNS STA. SEP 24 1998 USPS

PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

OR Emergency Resp Comm
c/o State Fire Marshal
Mr Bob Albers
4760 Portland Rd NE
Salem OR 97305-1760

4a. Article Number: Z 463 352 338

4b. Service Type

☐ Registered ☑ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery: SEP 25 1998

5. Received By: *(Print Name)*

8. Addressee's Address *(Only if requested and fee is paid)*

6. Signature: *(Addressee or Agent)*

X Angela Nelson

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

Thank you for using Return Receipt Service.

SCOEPA00052393

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
c/o Computer Based Systems Inc.
Suite 300
4600 North Fairfax Drive
Arlington, VA 22203

September 3, 1998 ER081:SM

Subject: Toxic Chemical Release Inventory Form R Reports

Enclosed please find copies of toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Three reports are enclosed, including two inadvertent omissions from previous years and one revision. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) Chemical Reports for our facility. Two chemical reports were inadvertently missed during their respective report years and are reported on the regular 5-page Form R. One chemical report is a revision to a previously submitted report. Revisions are noted in blue ink on a photocopy of the original 9-page Form R. The reports are as follows:

Chemical Name	Report Year	CAS Number
Nitrate Compounds	1995	N511 (Section 313 Category)
Ethylene Glycol	1996	000107-21-1
Nitrate Compounds (Revision)	1996	N511 (Section 313 Category)

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052394

WACKER
Wacker Siltronic Corporation

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

September 3, 1998 ER082:SM

Subject: Toxic Chemical Release Inventory Form R Reports

Enclosed please find copies of toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Three reports are enclosed, including two inadvertent omissions from previous years and one revision. Included is a signed copy of the submittal letter to the EPCRA Reporting Center. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) Chemical Reports for our facility. Two chemical reports were inadvertently missed during their respective report years and are reported on the regular 5-page Form R. One chemical report is a revision to a previously submitted report. Revisions are noted in blue ink on a photocopy of the original 9-page Form R. The reports are as follows:

Chemical Name	Report Year	CAS Number
Nitrate Compounds	1995	N511 (Section 313 Category)
Ethylene Glycol	1996	000107-21-1
Nitrate Compounds (Revision)	1996	N511 (Section 313 Category)

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

SCOEPA00052395

WACKER
Wacker Siltronic Corporation

September 8, 1997 ER34:MS

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshall
4760 Portland Road, Northeast
Salem, Oregon 97305-1760

Dear Mr. Albers:

Enclosed please find the Toxics Release Inventory Form R reports containing information for Wacker Siltronic Corporation (TRI facility ID 97210WCKRS7200N). This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three reports from our facility, which refer to three chemicals. The chemicals are reported on the regular 9-page Form R, as follows:

Chemical name	Reporting Year	CAS Number
HYDROGEN FLUORIDE	1996	007664-39-3
NITRIC ACID	1996	007697-37-2
HYDROCHLORIC ACID	1996	007647-01-0
NITRATE COMPOUNDS	1996	N511

Our technical point of contact is Michael Sutton who can be contacted at (503) 243-2020 if there should be any questions related to these reports.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

John Pittman
Director of Facilities
Wacker Siltronic Corporation

cc: Tom McCue

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052396

EPA
United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
☐ Yes. (Answer question 2.2; Attach substantiation forms)
☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	TRI Facility ID Number
WACKER SILTRONIC CORP.	97210WCKRS7200N
Street Address	
7200 N.W. FRONT AVE.	
City: PORTLAND	County: MULTNOMAH
State: OR	Zip Code: 97210-0180
Mailing Address (if different from street address)	
City	
State	Zip Code

PUT LABEL HERE

EPA

United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020			
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020			
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.	

4.6	Latitude and Longitude	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

EPA
United States
Environmental Protection
Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)	

SCOEPA00052399

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	181	O	
5.2	Stack or point air emissions	☐ NA	913	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: HYDROGEN FLUORIDE

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 and indicate which Part II, Section 5.3/6.1 page this is, here. 1 (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No ☒
A				
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes ☒ No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

ECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

nergy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

ECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

ecycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	118	1094	1700	2200
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	106683	180000	280000	360000
8.7	Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

* Release releases *pursuant* to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision	X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN — DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name	TRI Facility ID Number
WACKER SILTRONIC CORP.	97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City	County
PORTLAND	MULTNOMAH

State	Zip Code
OR	97210-0180

4.1 Mailing Address (if different from street address)

City

State — Zip Code -

PUT LABEL HERE

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EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6		Latitude			Longitude		
	Latitude and Longitude	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1041	O	
5.2	Stack or point air emissions	☐ NA	5255	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface Impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: NITRIC ACID

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name	6.1.B.2 POTW Name
CITY OF PORTLAND	
Street Address: 1211 SW 5TH AVENUE	Street Address:
City: PORTLAND / County: MULTNOMAH	City: / County:
State: OR / Zip Code: 97204-	State: / Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 3	7A.1d: 99 %	7A.1e: Yes ☐ No X
A				
7A.2a	7A.2b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes X No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this [illegible] and indicate which page 7 this is, here. 1 (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

ECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	l quantity estimates can be reported ing up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
1	Quantity released*	793	6300	9800	13000
2	Quantity used for energy recovery on-site	0	0	0	0
3	Quantity used for energy recovery off-site	0	0	0	0
4	Quantity recycled on-site	0	0	0	0
5	Quantity recycled off-site	0	0	0	0
6	Quantity treated on-site	609434	1000000	1600000	2000000
7	Quantity treated off-site	0	0	0	0

.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
.9	Production ratio or activity index	0001.05

.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
.10.1	NA	a.	b.	c.
.10.2		a.	b.	c.
.10.3		a.	b.	c.
.10.4		a.	b.	c.

		YES	NO
.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*R releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN — DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.	TRI Facility ID Number: 97210WCKRS7200N
Street Address: 7200 N.W. FRONT AVE.	
City: PORTLAND	County: MULTNOMAH
State: OR	Zip Code: 97210-0180
Mailing Address (if different from street address):	
City:	PUT LABEL HERE
State:	Zip Code: -

EPA

United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	This report contains information for: (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	Technical Contact	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	Public Contact	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	SIC Code (4-digit)	a. 3674	b.	c.	d.	e.	f.

4.6	Latitude and Longitude	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a. ORD096253737
		b.
4.9	Facility NPDES Permit Number(s) (9 characters)	a. OR0030589
		b.
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

SCOEPA00052416

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. [X] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [X] As a byproduct f. [ ] As an impurity	
3.2	**Process the toxic chemical:**	a. [ ] As a reactant b. [ ] As a formulation component	c. [ ] As an article component d. [ ] Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFT

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	94	O	
5.2	Stack or point air emissions	☐ NA	1887	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name:				
5.3.3	Stream or Water Body Name:				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 A

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	2) Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B. 2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address:	
City: PORTLAND	County: MULTNOMAH	City:	County:
State: OR	Zip Code: 97204-	State:	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): AZD043840479

Off-Site Location Name: BOC GASES

Street Address: 1122 NORTH 52ND STREET

City: PHOENIX | County: MARICOPA

State: AZ | Zip Code: 85008- | Is location under control of reporting facility or parent company? ☐ Yes ☒ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. 31425	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: | County:

State: | Zip Code: - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 5	7A.1d: 99 %	7A.1e: Yes ☐ No X
A				
7A.2a	7A.2b: 1 A03, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 1	7A.2d: 99 %	7A.2e: Yes ☐ No X
A				
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c: 2	7A.3d: 100 %	7A.3e: Yes X No ☐
W				
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this x [1] **and indicate which page 7 this is, here.** [1] **(example: 1, 2, 3, etc.)**

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	1210	2000	3100	4000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	119466	120000	190000	240000
8.7	Quantity treated off-site	20535	31425	49000	63000
8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
8.9	Production ratio or activity index	0001.05			

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

* Release releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JOHN PITTMAN DIRECTOR OF FACILITIES

Signature

Date Signed
09-08-97

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

4.1 Mailing Address (if different from street address):

City:

State: Zip Code: -

PUT LABEL HERE

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PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6		Latitude			Longitude		
	Latitude and Longitude	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐	Produce	If produce or import: c. ☐	For on-site use/processing
		b. ☐	Import	d. ☐	For sale/distribution
				e. ☐	As a byproduct
				f. ☐	As an impurity
3.2	**Process the toxic chemical:**	a. ☐	As a reactant	c. ☐	As an article component
		b. ☐	As a formulation component	d. ☐	Repackaging
3.3	**Otherwise use the toxic chemical:**	a. ☐	As a chemical processing aid	c. ☒	Ancillary or other use
		b. ☐	As a manufacturing aid		

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1024	O	
5.2	Stack or point air emissions	☐ NA	5170	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name WILLAMETTE RIVER		869000	C	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: NITRATE COMPOUNDS

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
53200	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVE		Street Address:	
City: PORTLAND	County: MULTNOMAH	City:	County:
State: OR	Zip Code: 97204-	State:	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 NA	7A.1c	7A.1d	7A.1e
A	3 , 4 , 5 , 6 , 7 , 8	3	99 %	Yes ☐ No X
7A.2a	7A.2b: 1 NA, 2	7A.2c	7A.2d	7A.2e
W	3 , 4 , 5 , 6 , 7 , 8	2	0 %	Yes ☐ No X
7A.3a	7A.3b: 1 C99, 2 NA	7A.3c	7A.3d	7A.3e
W	3 , 4 , 5 , 6 , 7 , 8	1	9.29 %	Yes ☐ No X
7A.4a	7A.4b: 1 NA, 2	7A.4c	7A.4d	7A.4e
W	3 , 4 , 5 , 6 , 7 , 8	2	0 %	Yes ☐ No X
7A.5a	7A.5b: 1 , 2	7A.5c	7A.5d	7A.5e
	3 , 4 , 5 , 6 , 7 , 8		%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	630000	875000	1400000	1750000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	69000	96000	150000	190000
8.7	Quantity treated off-site	0	53200	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

* *Total releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.*

SCOEPA00052432

WACKER SILTRONIC CORP.
7200 N.W. FRONT AVE.
PORTLAND
OR ,972100180
TRI Fac.ID: 97210WCKRS7200N
9 / 8 /1997

ER35:MS

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3342
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 4 reports from our facility, which refer to 4 chemicals.

4 chemicals are reported as follows:

Chemical Name	Report Year	CAS Number	Report Status
HYDROGEN FLUORIDE	1996	007664393	9-page Form R
NITRIC ACID	1996	007697372	9-page Form R
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1996	007647010	9-page Form R
NITRATE COMPOUNDS	1996	N511	9-page Form R

Our technical point of contact is:
MICHAEL SUTTON Phone Number (503)243-2020
and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

JOHN PITTMAN
DIRECTOR OF FACILITIES
WACKER SILTRONIC CORP.

EPA
United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN — DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State:

Zip Code:

PUT LABEL HERE

SCOEPA00052434

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United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] **NA**
5.2	Parent Company's Dun & Bradstreet Number	[X] **NA**

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	181	O	
5.2	Stack or point air emissions	☐ NA	913	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: HYDROGEN FLUORIDE

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

SCOEPA00052438

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No X
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes X No ☐
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

SCOEPA00052440

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

SCOEPA00052441

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	118	1094	1700	2200
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	106683	180000	280000	360000
8.7	Quantity treated off-site	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
8.9	Production ratio or activity index	0001.05			

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052442

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United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State:

Zip Code: -

PUT LABEL HERE

EPA

United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

EPA

United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1041	O	
5.2	Stack or point air emissions	☐ NA	5255	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

EPA

United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: NITRIC ACID

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

SCOEPA00052447

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 3	7A.1d: 99 %	7A.1e: Yes ☐ No X
7A.2a	7A.2b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes X No ☐
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	793	6300	9800	13000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	609434	1000000	1600000	2000000
8.7	Quantity treated off-site	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
8.9	Production ratio or activity index	0001.05			

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052451

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State:

Zip Code:

PUT LABEL HERE

SCOEPA00052452

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PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737 b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737 b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589 b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. [X] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [X] As a byproduct f. [ ] As an impurity	
3.2	**Process the toxic chemical:**	a. [ ] As a reactant b. [ ] As a formulation component	c. [ ] As an article component d. [ ] Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFT

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	94	O	
5.2	Stack or point air emissions	☐ NA	1887	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 A

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B. 2 POTW Name	
CITY OF PORTLAND			
Street Address		Street Address	
1211 SW 5TH AVENUE			
City	County	City	County
PORTLAND	MULTNOMAH		
State	Zip Code	State	Zip Code
OR	97204-		-

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): AZD043840479

Off-Site Location Name: BOC GASES

Street Address: 1122 NORTH 52ND STREET

City: PHOENIX | County: MARICOPA

State: AZ | Zip Code: 85008- | Is location under control of reporting facility or parent company? ☐ Yes ☒ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1. 31425	1. C	1. M69
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: | County:

State: | Zip Code: - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c	7A.1d	7A.1e
A		5	99 %	Yes ☐ No ☒
7A.2a	7A.2b: 1 A03, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
A		1	99 %	Yes ☐ No ☒
7A.3a	7A.3b: 1 C11, 2 NA, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
W		2	100 %	Yes ☒ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	1210	2000	3100	4000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	119466	120000	190000	240000
8.7	Quantity treated off-site	20535	31425	49000	63000

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052460

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JOHN PITTMAN DIRECTOR OF FACILITIES

Signature: John Pittman

Date Signed: 09-08-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State: Zip Code: -

PUT LABEL HERE

EPA
United States Environmental Protection Agency

EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6		Latitude			Longitude		
	Latitude and Longitude	Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

SCOEPA00052462

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

EPA

United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1024	O	
5.2	Stack or point air emissions	☐ NA	5170	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		869000	C	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground Injections on-site to Class I Wells	☒ NA			
5.4.2	Underground Injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface Impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: NITRATE COMPOUNDS

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
53200	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 NA	7A.1c	7A.1d	7A.1e
A	3, 4, 5, 6, 7, 8	3	99 %	Yes ☐ No X
7A.2a	7A.2b: 1 NA, 2	7A.2c	7A.2d	7A.2e
W	3, 4, 5, 6, 7, 8	2	0 %	Yes ☐ No X
7A.3a	7A.3b: 1 C99, 2 NA	7A.3c	7A.3d	7A.3e
W	3, 4, 5, 6, 7, 8	1	9.29 %	Yes ☐ No X
7A.4a	7A.4b: 1 NA, 2	7A.4c	7A.4d	7A.4e
W	3, 4, 5, 6, 7, 8	2	0 %	Yes ☐ No X
7A.5a	7A.5b: 1, 2	7A.5c	7A.5d	7A.5e
	3, 4, 5, 6, 7, 8		%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	630000	875000	1400000	1750000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	69000	96000	150000	190000
8.7	Quantity treated off-site	0	53200	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box) YES [ ] NO [X]

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

HERE TO SEND OMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

portant: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

ECTION 1. EPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
☐ Yes. (Answer question 2.2; Attach substantiation forms)
☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

ECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

ereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted ormation is true and complete and that the amounts and values in this report are accurate based on reasonable estimates ng data available to the preparers of this report.

and official title of owner/operator or senior management official

OHN PITTMAN JAMES R. ELLIS DIRECTOR OF FACILITIES / PRESIDENT

gnature

Date Signed: 09-08-97 / 9/24/98

ECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-~~0180~~

4.1 Mailing Address (if different from street address): P.O. Box 83180

City: PORTLAND

State: OR

Zip Code: 97283-0180

PUT LABEL HERE

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EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	**Technical Contact**	Name: ~~MICHAEL SUTTON~~ SUSAN MULHOLLAND	Telephone number (include area code): (503) 243-2020					
4.4	**Public Contact**	Name: JIM HARPER	Telephone number (include area code): (503) 243-2020					
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.	

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737
		b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589
		b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

ECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)

N511

2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

NITRATE COMPOUNDS

3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)

NA

ECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)

NA

ECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

			If produce or import:
.1	**Manufacture the toxic chemical:**	a. [X] Produce b. [ ] Import	c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [X] As a byproduct f. [ ] As an impurity
.2	**Process the toxic chemical:**	a. [ ] As a reactant b. [ ] As a formulation component	c. [ ] As an article component d. [ ] Repackaging
.3	**Otherwise use the toxic chemical:**	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	~~05~~ 04	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[X] NA	~~1024~~	~~O~~	
5.2	Stack or point air emissions	[X] NA	~~5170~~	~~O~~	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		~~869000~~ 959531	~~O~~ O	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground Injections on-site to Class I Wells	[X] NA			
5.4.2	Underground Injections on-site to Class II-V Wells	[X] NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	[X] NA			
5.5.1B	Other landfills	[X] NA			
5.5.2	Land treatment/ application farming	[X] NA			
5.5.3	Surface Impoundment	[X] NA			
5.5.4	Other disposal	[X] NA			

[ ] **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N

Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

ECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
.3.4 Stream or Water Body Name			
.3.5 Stream or Water Body Name			
.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
~~53200~~ 50502	~~M~~ O

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
ITY OF PORTLAND			
Street Address: 211 SW 5TH AVE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 and indicate which Part II, Section 5.3/6.1 page this is, here. 1 (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City | County

State | Zip Code - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 ~~A03~~ NA; 2 ~~NA~~; 3; 4; 5; 6; 7; 8	7A.1c: ~~3~~ 2	7A.1d: ~~99~~ % 0	7A.1e: Yes ☐ No ☒
~~A~~ W				
7A.2a	7A.2b: 1 NA; 2; 3; 4; 5; 6; 7; 8	7A.2c: 2	7A.2d: 0 %	7A.2e: Yes ☐ No ☒
W				
7A.3a	7A.3b: 1 ~~C99~~; 2 ~~NA~~; 3; 4; 5; 6; 7; 8	7A.3c: ~~1~~	7A.3d: ~~9.29~~ %	7A.3e: Yes ☐ No ☒ ~~X~~
~~W~~				
7A.4a	7A.4b: 1 ~~NA~~; 2; 3; 4; 5; 6; 7; 8	7A.4c: ~~2~~	7A.4d: ~~0~~ %	7A.4e: Yes ☐ No ☒ ~~X~~
~~W~~				
7A.5a	7A.5b: 1; 2; 3; 4; 5; 6; 7; 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

ECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	quantity estimates can be reported ing up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
1	Quantity released*	~~630000~~ 570000	~~875000~~ 960000	~~1400000~~ 1500000	~~1750000~~ 1900000
2	Quantity used for energy recovery on-site	0	0	0	0
3	Quantity used for energy recovery off-site	0	0	0	0
4	Quantity recycled on-site	0	0	0	0
5	Quantity recycled off-site	0	0	0	0
6	Quantity treated on-site	~~60000~~ 0	~~96000~~ 0	~~150000~~ 0	~~190000~~ 0
7	Quantity treated off-site	~~0~~ 30000	~~53200~~ 50500	~~0~~ 79000	~~0~~ 101000

8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)

YES ☐ NO ☒

ort releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052478

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O. Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY; 2. APPROPRIATE STATE OFFICE (See Instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 19 96

SECTION 2. TRADE SECRET INFORMATION

2.1	Are you claiming the toxic chemical identified on page 2 trade secret? ☐ Yes (Answer question 2.2; Attach substantiation forms) ☒ No (Do not answer 2.2; go to Section 3)	2.2	Is this copy ☐ Sanitized ☐ Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	9/24/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number and Mailing Address:
97210WCKRS7200N
WACKER SILTRONIC CORP.
P.O. BOX 83180
PORTLAND, OR 97283-0180

4.1	Facility or Establishment Name	WACKER SILTRONIC CORP.
	Street	7200 N.W. FRONT AVE.
	City/County/State/Zip Code	PORTLAND MULTNOMAH OR 97210

4.2	This report contains information for: (Important: check a or b; check c if applicable)	a. ☒ An entire facility	b. ☐ Part of a facility	c. ☐ A Federal facility	
4.3	Technical Contact Name	SUSAN MULHOLLAND	Telephone Number (include area code)	(503) 219-7132	
4.4	Public Contact Name	JIM HARPER	Telephone Number (include area code)	(503) 219-7506	
4.5	SIC Code (s) (4 digits)	a. 3674	b.	c.	d. e. f.

		Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
4.6	Latitude	045	34	36	Longitude	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	☒ NA	
5.2	Parent Company's Dun & Bradstreet Number	☒ NA	(9 digits)

SCOEPA00052479

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category, or Generic Name: ETHYLENE GLYCOL

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS NUMBER (IMPORTANT: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.): 000107211

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.): ETHYLENE GLYCOL

1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic name must be structurally descriptive.): NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.): NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. ☐ Produce b. ☐ Import

If produce or import:
- c. ☐ For on-site use/processing
- d. ☐ For sale/distribution
- e. ☐ As a byproduct
- f. ☐ As an impurity

3.2 Process the toxic chemical:
- a. ☐ As a reactant
- b. ☐ As a formulation component
- c. ☐ As an article component
- d. ☐ Repackaging

3.3 Otherwise use the toxic chemical:
- a. ☐ As a chemical processing aid
- b. ☐ As a manufacturing aid
- c. ☒ Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 03 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	0	0	
5.2	Stack or point air emissions	NA ☐	0	0	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	0	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA ☒	NA		
5.4.2	Underground Injection on-site to Class II-V Wells	NA ☒	NA		

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052480

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
ETHYLENE GLYCOL

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A. Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
10800	O

6.1.B. 1 (POTW Name)	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. ___ (POTW Name)							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.1 page this is here ☐ (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2 ___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052481

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N
Toxic Chemical, Category, or Generic Name: ETHYLENE GLYCOL

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

6.2 ___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site Location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.2 page this is, here. ☐ (example: 1.2.3. etc.)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence (enter 3-character code(s))								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b	1	NA	2		3		4	7A.1c	7A.1d	7A.1e
		5		6		7		8	3	0 %	Yes ☐ No ☒
7A.2a	7A.2b	1		2		3		4	7A.2c	7A.2d	7A.2e
		5		6		7		8		%	Yes ☐ No ☐
7A.3a	7A.3b	1		2		3		4	7A.3c	7A.3d	7A.3e
		5		6		7		8		%	Yes ☐ No ☐
7A.4a	7A.4b	1		2		3		4	7A.4c	7A.4d	7A.4e
		5		6		7		8		%	Yes ☐ No ☐
7A.5a	7A.5b	1		2		3		4	7A.5c	7A.5d	7A.5e
		5		6		7		8		%	Yes ☐ No ☐

Range Codes: A= 1-10 pounds; B=11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052482

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
ETHYLENE GLYCOL

If additional copies of page 4 are attached, indicate the total number of pages in this box [ ] and indicate which page 4 this is, here. [ ] (example: 1,2,3, etc.)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code (s)]

1 NA 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 NA 2 [ ] 3 [ ] 4 [ ] 5 [ ]
6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	NA	0	0	0
8.2	Quantity used for energy recovery on-site	NA	0	0	0
8.3	Quantity used for energy recovery off-site	NA	0	0	0
8.4	Quantity recycled on-site	NA	0	0	0
8.5	Quantity recycled off-site	NA	0	0	0
8.6	Quantity treated on-site	NA	0	0	0
8.7	Quantity treated off-site	NA	11000	17000	22000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1.05	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box) YES [ ] NO [X]

* Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052483

WACKER SILTRONIC CORP.
7200 N.W. FRONT AVE.
PORTLAND
OR ,972100180
TRI Fac.ID: 97210WCKRS7200N
8 /20 /1997

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3342
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORP.

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 3 reports from our facility, which refer to 3 chemicals.

3 chemicals are reported as follows:

Chemical Name	Report Year	CAS Number	Report Status
HYDROGEN FLUORIDE	1996	007664393	9-page Form R
NITRIC ACID	1996	007697372	9-page Form R
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)	1996	007647010	9-page Form R

Our technical point of contact is:
MICHAEL SUTTON Phone Number (503)243-2020
and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

JAMES R. ELLIS
PRESIDENT
WACKER SILTRONIC CORP.

EPA United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JAMES R. ELLIS PRESIDENT

Signature

Date Signed: 08-29-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State:

Zip Code: -

PUT LABEL HERE

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EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737 b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737 b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589 b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] **NA**
5.2	Parent Company's Dun & Bradstreet Number	[X] **NA**

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007664393
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROGEN FLUORIDE
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐ Produce b. ☐ Import	If produce or import: c. ☐ For on-site use/processing d. ☐ For sale/distribution e. ☐ As a byproduct f. ☐ As an impurity	
3.2	**Process the toxic chemical:**	a. ☐ As a reactant b. ☐ As a formulation component	c. ☐ As an article component d. ☐ Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. ☐ As a chemical processing aid b. ☐ As a manufacturing aid	c. ☒ Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	181	O	
5.2	Stack or point air emissions	☐ NA	18	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name	6.1.B.2 POTW Name
CITY OF PORTLAND	
Street Address: 1211 SW 5TH AVENUE	Street Address:
City: PORTLAND	City:
County: MULTNOMAH	County:
State: OR	State:
Zip Code: 97204-	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11, 3 NA, 4, 5, 6, 7, 8	7A.1c: 4	7A.1d: 99 %	7A.1e: Yes ☐ No X
A				
7A.2a	7A.2b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.2c: 2	7A.2d: 100 %	7A.2e: Yes X No ☐
W				
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c:	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c:	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c:	7A.5d: %	7A.5e: Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

SCOEPA00052491

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United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

SCOEPA00052492

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROGEN FLUORIDE

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	118	200	310	400
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	106683	180000	280000	360000
	Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production ratio or activity index	0001.05

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)		X

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052493

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

[ ] Yes. (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JAMES R. ELLIS PRESIDENT

Signature

Date Signed: 08-29-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State:

Zip Code: -

PUT LABEL HERE

SCOEPA00052494

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EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility	
4.3	**Technical Contact**	Name: MICHAEL SUTTON	Telephone number (include area code): (503) 243-2020
4.4	**Public Contact**	Name: JIM HARPER	Telephone number (include area code): (503) 243-2020

4.5	SIC Code (4-digit)	a. 3674	b.	c.	d.	e.	f.

4.6	Latitude and Longitude	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737 b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737 b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589 b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTE

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007647010
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. [X] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [X] As a byproduct f. [ ] As an impurity	
3.2	**Process the toxic chemical:**	a. [ ] As a reactant b. [ ] As a formulation component	c. [ ] As an article component d. [ ] Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03	(Enter two-digit code from instruction package.)	

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFT

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	94	O	
5.2	Stack or point air emissions	☐ NA	4	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 A

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B. 2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): AZD043840479

Off-Site Location Name: BOC GASES

Street Address: 1122 NORTH 52ND STREET

City: PHOENIX | County: MARICOPA

State: AZ | Zip Code: 85008- | Is location under control of reporting facility or parent company? ☐ Yes ☒ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: | County:

State: | Zip Code: - | Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	**7A.1b** 1: A03 2: C11	**7A.1c**	**7A.1d**	**7A.1e**
A	3: NA 4: 5: 6: 7: 8:	5	99 %	Yes: ☐ No: X
7A.2a	**7A.2b** 1: A03 2: NA	**7A.2c**	**7A.2d**	**7A.2e**
A	3: 4: 5: 6: 7: 8:	1	99.99 %	Yes: ☐ No: X
7A.3a	**7A.3b** 1: C11 2: NA	**7A.3c**	**7A.3d**	**7A.3e**
W	3: 4: 5: 6: 7: 8:	2	100 %	Yes: X No: ☐
7A.4a	**7A.4b** 1: 2:	**7A.4c**	**7A.4d**	**7A.4e**
	3: 4: 5: 6: 7: 8:		%	Yes: ☐ No: ☐
7A.5a	**7A.5b** 1: 2:	**7A.5c**	**7A.5d**	**7A.5e**
	3: 4: 5: 6: 7: 8:		%	Yes: ☐ No: ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	1210	98	150	200
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	119466	120000	190000	240000
	Quantity treated off-site	20535	31425	49000	63000
8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
8.9	Production ratio or activity index	0001.05			

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	YES	NO
		☐	☒

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052502

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United States Environmental Protection Agency

FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

WHERE TO SEND COMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?

☐ Yes. (Answer question 2.2; Attach substantiation forms)

☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official

JAMES R. ELLIS PRESIDENT

Signature

Date Signed: 08-29-97

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name: WACKER SILTRONIC CORP.

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City: PORTLAND

County: MULTNOMAH

State: OR

Zip Code: 97210-0180

Mailing Address (if different from street address):

City:

State:

Zip Code:

PUT LABEL HERE

EPA

United States Environmental Protection Agency

EPA FORM R

PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	**This report contains information for:** (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	**Technical Contact**	Name: MICHAEL SUTTON			Telephone number (include area code): (503) 243-2020		
4.4	**Public Contact**	Name: JIM HARPER			Telephone number (include area code): (503) 243-2020		
4.5	**SIC Code (4-digit)**	a. 3674	b.	c.	d.	e.	f.

4.6	**Latitude and Longitude**	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

4.7	**Dun & Bradstreet Number(s) (9 digits)**	a. 096253737 b.
4.8	**EPA Identification Number(s) (RCRA I.D. No.) (12 characters)**	a. ORD096253737 b.
4.9	**Facility NPDES Permit Number(s) (9 characters)**	a. OR0030589 b.
4.10	**Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)**	a. NA b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] **NA**
5.2	Parent Company's Dun & Bradstreet Number	[X] **NA**

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	007697372
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRIC ACID
1.3	Generic Chemical Name (Important: Complete **only** if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. ☐	Produce	If produce or import: c. ☐	For on-site use/processing
		b. ☐	Import	d. ☐	For sale/distribution
				e. ☐	As a byproduct
				f. ☐	As an impurity
3.2	**Process the toxic chemical:**	a. ☐	As a reactant	c. ☐	As an article component
		b. ☐	As a formulation component	d. ☐	Repackaging
3.3	**Otherwise use the toxic chemical:**	a. ☐	As a chemical processing aid	c. ☒	Ancillary or other use
		b. ☐	As a manufacturing aid		

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05	(Enter two-digit code from instruction package.)	

EPA

United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	☐ NA	1031	O	
5.2	Stack or point air emissions	☐ NA	52	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		0	M	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	☒ NA			
5.4.2	Underground injections on-site to Class II-V Wells	☒ NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	☒ NA			
5.5.1B	Other landfills	☒ NA			
5.5.2	Land treatment/ application farming	☒ NA			
5.5.3	Surface impoundment	☒ NA			
5.5.4	Other disposal	☒ NA			

☐ **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

EPA
United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: NITRIC ACID

SECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
CITY OF PORTLAND			
Street Address: 1211 SW 5TH AVENUE		Street Address	
City: PORTLAND	County: MULTNOMAH	City	County
State: OR	Zip Code: 97204-	State	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box 1 **and indicate which Part II, Section 5.3/6.1 page this is, here.** 1 **(example: 1, 2, 3, etc.)**

SCOEPA00052507

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United States Environmental Protection Agency

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.):

Off-Site Location Name:

Street Address:

City: County:

State: Zip Code: -

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 A03, 2 C11	7A.1c	7A.1d	7A.1e
A	3 NA, 4, 5, 6, 7, 8	3	9.95 %	Yes ☐ No ☒
7A.2a	7A.2b: 1 C11, 2 NA	7A.2c	7A.2d	7A.2e
W	3, 4, 5, 6, 7, 8	2	100 %	Yes ☒ No ☐
7A.3a	7A.3b: 1, 2	7A.3c	7A.3d	7A.3e
	3, 4, 5, 6, 7, 8		%	Yes ☐ No ☐
7A.4a	7A.4b: 1, 2	7A.4c	7A.4d	7A.4e
	3, 4, 5, 6, 7, 8		%	Yes ☐ No ☐
7A.5a	7A.5b: 1, 2	7A.5c	7A.5d	7A.5e
	3, 4, 5, 6, 7, 8		%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

SCOEPA00052509

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

SCOEPA00052510

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRIC ACID

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released*	793	1100	1700	2200
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	609434	1000000	1600000	2000000
8.7	Quantity treated off-site	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0			
8.9	Production ratio or activity index	0001.05			

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional optional information on source reduction, recycling, or *pollution control activities* included with this report? (Check one box)

YES [ ] NO [X]

*Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052511

WACKER
Wacker Siltronic Corporation

ER30:MS Page 1 of 2 Pages.

WACKER SILTRONIC CORPORATION
P.O. BOX 83180
PORTLAND, OR 972830180
TRI Fac. ID #97210WCKRS7200N
July 30, 1996

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3342
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORPORATION

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) reports from our facility, which refer to (3)chemicals.

THREE (3) chemicals are reported on the regular 9-page FORM R, as follows:

Chemical Name	RY	CAS Number
HYDROGEN FLUORIDE	1995	007664-39-3
NITRIC ACID	1995	007697-37-2
HYDROCHLORIC ACID	1995	007647-01-0

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

SCOEPA00052512

Our technical point of contact is:

MICHAEL SUTTON, Phone Number: (503) 243-2020,

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

JAMES R. ELLIS
PRESIDENT
WACKER SILTRONIC CORPORATION

Enclosures

WACKER
Wacker Siltronic Corporation

July 30, 1996 ER29:MS

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshall
4760 Portland Road, Northeast
Salem, Oregon 97305-1760

Dear Mr. Albers:

Enclosed please find the Toxics Release Inventory Form R reports containing information for Wacker Siltronic Corporation (TRI facility ID 97210WCKRS7200N). This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three reports from our facility, which refer to three chemicals. The chemicals are reported on the regular 9-page Form R, as follows:

Chemical name	Reporting Year	CAS Number
HYDROGEN FLUORIDE	1995	007664-39-3
NITRIC ACID	1995	007697-37-2
HYDROCHLORIC ACID	1995	007647-01-0

Our technical point of contact is Michael Sutton who can be contacted at (503) 243-2020 if there should be any questions related to these reports.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

James R. Ellis
President
Wacker Siltronic Corporation

cc: Tom McCue

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052514

Form Approved OMB Number: 2070-0092
(IMPORTANT: Type or print; read instructions before completing form) Approval Expires: 11/92 PAGE 1 OF 9

EPA

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROCHLORIC ACID

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision:

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only:

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR: 1995

Section 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JAMES R. ELLIS, PRESIDENT

Signature: James R. Ellis

Date Signed: 07/31/96

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORPORATION

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVENUE

City: PORTLAND

County: MULTNOMAH

4.1 State: OR

Zip Code: 97210-

Mailing Address (if different from street address): P.O. BOX 83180

City: PORTLAND

State: OR

Zip Code: 97283-0180

PUT LABEL HERE

EPA Form 9250-1 (Rev. 12/4/94) - Previous editions are obsolete.

SCOEPA00052515

EPA United States Environmental Protection Agency	EPA FORM R PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name HYDROCHLORIC ACID

SECTION 4. FACILITY IDENTIFICATION (Continued)

4.2	This report contains information for: (Important: check only one)	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] Federal Facility				
4.3	Technical Contact	Name MICHAEL SUTTON			Telephone Number (include area code) (503)243-2020			
4.4	Public Contact	Name JIM HARPER			Telephone Number (include area code) (503)243-2020			
4.5	SIC Code (4-digit)	a. 3674	b. NA	c.	d.	e.	f.	

4.6		Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	Latitude and Longitude	045	34	36	122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	a.	096253737
		b.	NA
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a.	ORD096253737
		b.	
4.9	Facility NPDES Permit Number(s) (9 characters)	a.	OR0030589
		b.	
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a.	NA
		b.	

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	
	[X] NA	NA
5.2	Parent Company's Dun & Bradstreet Number	
	[X] NA	(9 Digits) NA

SCOEPA00052516

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list.)
	007647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	HYDROCHLORIC ACID
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes."
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Max. of 70 chars., including numbers, letters, spaces, and punct.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. [X] Produce	c. [ ] For on-site use/processing
		b. [ ] Import	d. [ ] For sale/distribution
			e. [X] As a byproduct
			f. [ ] As an impurity
3.2	Process the toxic chemical	a. [ ] As a reactant	c. [ ] As an article component
		b. [ ] As a formulation component	d. [ ] Repackaging
3.3	Otherwise use the toxic chemical:	a. [ ] As a chemical processing aid	c. [X] Ancillary or other use
		b. [ ] As a manufacturing aid	

Section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SCOEPA00052517

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[ ]NA	0	O	
5.2	Stack or point air emissions	[ ]NA	1210	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name				
WILLAMETTE RIVER			0	C	000.00
5.3.2	Stream or Water Body Name				
NA					
5.3.3	Stream or Water Body Name				
5.4	Underground injections on-site	[X]NA	NA		
5.5	Releases to land on-site				
5.5.1	Landfill	[X]NA	NA		
5.5.2	Land treatment/ application farming	[X]NA	NA		
5.5.3	Surface impoundment	[X]NA	NA		
5.5.4	Other disposal	[X]NA	NA		

[ ] Check here only if additional Section 5.3 information is provided on page 5 of this form.

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052518

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

Section 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

5.3	Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4	Stream or Water Body Name			
5.3.5	Stream or Water Body Name			
5.3.6	Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
Street Address		Street Address	
City	County	City	County
State	Zip Code	State	Zip Code

If additional pages of Part II, Sections 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 5.3/6.1 page this is, here. [1] (example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052519

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name: HYDROCHLORIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.): AZD043840479

Off-Site Location Name: BOC GASES

Street Address: 1122 NORTH 52ND STREET

City: PHOENIX | County: MARICOPA | State: AZ | Zip Code: 85008- | Is location under control of reporting: [ ] YES [X] NO

	A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	20535	C	M69
2.			
3.			
4.			

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.): NA

Off-Site Location Name:

Street Address:

City: | County: | State: | Zip Code: | Is location under control of reporting: [ ] YES [ ] NO

	A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.			
2.			
3.			
4.			

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 6.2 page this is, here. [1] (example: 1,2,3,etc.)

Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052520

EPA — United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROCHLORIC ACID

Section 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 C11; 2 NA; 3; 4; 5; 6; 7; 8	7A.1c	7A.1d	7A.1e
W		2	100.00 %	Yes [X] No [ ]
7A.2a	7A.2b: 1 A03; 2 NA; 3; 4; 5; 6; 7; 8	7A.2c	7A.2d	7A.2e
A		2	099.00 %	Yes [ ] No [X]
7A.3a	7A.3b: 1; 2; 3; 4; 5; 6; 7; 8	7A.3c	7A.3d	7A.3e
			%	Yes [ ] No [ ]
7A.4a	7A.4b: 1; 2; 3; 4; 5; 6; 7; 8	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1; 2; 3; 4; 5; 6; 7; 8	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages are attached, indicate the total number of pages in this box [ ] and indicate which page this is, here [1].

SCOEPA00052521

EPA	EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name HYDROCHLORIC ACID

United States Environmental Protection Agency

Section 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

Section 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1	2	3	4	5
NA				

6	7	8	9	10

SCOEPA00052522

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

Section 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All estimates can be reported using up to two significant figures.	Column A 1994 (pounds/year)	Column B 1995 (pounds/year)	Column C 1996 (pounds/year)	Column D 1997 (pounds/year)
8.1	Quantity released *	880	1210	1355	2000
8.2	Quantity used for energy recovery on-site	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	108200	119466	133800	197000
8.7	Quantity treated off-site	15000	20535	23000	33900

8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production Ratio or Activity Index	0001.11

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" In Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPRCA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052523

Form Approved OMB Number: 2070-0092
(IMPORTANT: Type or print; read instructions before completing form) Approval Expires: 11/92 PAGE 1 OF 9

EPA | FORM R | TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROGEN FLUORIDE

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center, P.O. Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR: 1995

Section 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret? [ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JAMES R. ELLIS, PRESIDENT

Signature: James R Ellis Date Signed: 07/31/96

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORPORATION
TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVENUE

City: PORTLAND
County: MULTNOMAH

4.1 State: OR
Zip Code: 97210-

Mailing Address (if different from street address): P.O. BOX 83180

City: PORTLAND

State: OR
Zip Code: 97283-0180

PUT LABEL HERE

SCOEPA00052524

EPA United States Environmental Protection Agency

EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROGEN FLUORIDE

SECTION 4. FACILITY IDENTIFICATION (Continued)

4.2	This report contains information for: (Important: check only one)	a. [X] An entire facility b. [ ] Part of a facility c. [ ] Federal Facility
4.3	Technical Contact	Name: MICHAEL SUTTON; Telephone Number (include area code): (503)243-2020
4.4	Public Contact	Name: JIM HARPER; Telephone Number (include area code): (503)243-2020

4.5 SIC Code (4-digit)	a. 3674	b. NA	c.	d.	e.	f.

4.6	Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
Latitude and Longitude	045	34	36	122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b. NA
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a. ORD096253737
		b.
4.9	Facility NPDES Permit Number(s) (9 characters)	a. OR0030589
		b.
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	
	[X] NA	NA
5.2	Parent Company's Dun & Bradstreet Number	
	[X] NA	(9 Digits) NA

SCOEPA00052525

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you complete Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list.

007664-39-3

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

HYDROGEN FLUORIDE

1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes."

NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Max. of 70 chars., including numbers, letters, spaces, and punct.)

NA

SECTION 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. [ ] Produce	c. [ ] For on-site use/processing
		b. [ ] Import	d. [ ] For sale/distribution
			e. [ ] As a byproduct
			f. [ ] As an impurity
3.2	Process the toxic chemical	a. [ ] As a reactant	c. [ ] As an article component
		b. [ ] As a formulation component	d. [ ] Repackaging
3.3	Otherwise use the toxic chemical:	a. [ ] As a chemical processing aid	c. [X] Ancillary or other use
		b. [ ] As a manufacturing aid	

Section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SCOEPA00052526

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[ ]NA	107	O	
5.2	Stack or point air emissions	[ ]NA	11	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name WILLAMETTE RIVER		0	C	000.00
5.3.2	Stream or Water Body Name NA				
5.3.3	Stream or Water Body Name				
5.4	Underground injections on-site	[X]NA	NA		
5.5	Releases to land on-site				
5.5.1	Landfill	[X]NA	NA		
5.5.2	Land treatment/ application farming	[X]NA	NA		
5.5.3	Surface impoundment	[X]NA	NA		
5.5.4	Other disposal	[X]NA	NA		

[ ] Check here only if additional Section 5.3 information is provided on page 5 of this form.

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052527

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

Section 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

5.3 Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4 Stream or Water Body Name			
5.3.5 Stream or Water Body Name			
5.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
Street Address		Street Address	
City	County	City	County
State	Zip Code	State	Zip Code

If additional pages of Part II, Sections 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 5.3/6.1 page this is, here. [1] (example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052528

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | County

State | Zip Code | Is location under control of reporting [ ] YES [ ] NO

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | County

State | Zip Code | Is location under control of reporting [ ] YES [ ] NO

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 6.2 page this is, here. [1]
(example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052529

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROGEN FLUORIDE

Section 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b	7A.1c	7A.1d	7A.1e
W	1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	2	100.00 %	Yes [X] No [ ]
7A.2a	7A.2b	7A.2c	7A.2d	7A.2e
A	1 A03, 2 NA, 3, 4, 5, 6, 7, 8	3	099.00 %	Yes [ ] No [X]
7A.3a	7A.3b	7A.3c	7A.3d	7A.3e
	1, 2, 3, 4, 5, 6, 7, 8		%	Yes [ ] No [ ]
7A.4a	7A.4b	7A.4c	7A.4d	7A.4e
	1, 2, 3, 4, 5, 6, 7, 8		%	Yes [ ] No [ ]
7A.5a	7A.5b	7A.5c	7A.5d	7A.5e
	1, 2, 3, 4, 5, 6, 7, 8		%	Yes [ ] No [ ]

If additional pages are attached, indicate the total number of pages in this box [ ] and indicate which page this is, here [1].

EPA Form 9250-1 (Rev. 12/4/94) - Previous editions are obsolete.

SCOEPA00052530

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

Section 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

Section 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1	2	3	4	5
NA				

6	7	8	9	10

SCOEPA00052531

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

Section 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All estimates can be reported using up to two significant figures.	Column A 1994 (pounds/year)	Column B 1995 (pounds/year)	Column C 1996 (pounds/year)	Column D 1997 (pounds/year)
8.1	**Quantity released ***	**66**	**118**	**132**	**195**
8.2	**Quantity used for energy recovery on-site**	**0**	**0**	**0**	**0**
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	58500	106683	119500	176000
8.7	Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production Ratio or Activity Index	0001.11

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" In Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPRCA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052532

Form Approved OMB Number: 2070-0092
(IMPORTANT: Type or print; read instructions before completing form) Approval Expires: 11/92 PAGE 1 OF 9

EPCRA FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: NITRIC ACID

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision:

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only:

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR: 1995

Section 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hearby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JAMES R. ELLIS, PRESIDENT

Signature: James R Ellis

Date Signed: 07/31/96

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORPORATION

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVENUE

City: PORTLAND

County: MULTNOMAH

4.1

State: OR

Zip Code: 97210-

Mailing Address (if different from street address): P.O. BOX 83180

City: PORTLAND

State: OR

Zip Code: 97283-0180

PUT LABEL HERE

EPA Form 9250-1 (Rev. 12/4/94) - Previous editions are obsolete.

SCOEPA00052533

EPA United States Environmental Protection Agency	EPA FORM R PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name NITRIC ACID

SECTION 4. FACILITY IDENTIFICATION (Continued)

4.2	This report contains information for: (Important: check only one)	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] Federal Facility				
4.3	Technical Contact	Name MICHAEL SUTTON			Telephone Number (include area code) (503)243-2020			
4.4	Public Contact	Name JIM HARPER			Telephone Number (include area code) (503)243-2020			
4.5	SIC Code (4-digit)	a. 3674	b. NA	c.	d.	e.	f.	

4.6		Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	Latitude and Longitude	045	34	36	122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	a.	096253737
		b.	NA
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a.	ORD096253737
		b.	
4.9	Facility NPDES Permit Number(s) (9 characters)	a.	OR0030589
		b.	
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a.	NA
		b.	

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	
	[X] NA	NA
5.2	Parent Company's Dun & Bradstreet Number	
	[X] NA	(9 Digits) NA

SCOEPA00052534

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you complete Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list.)

007697-37-2

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

NITRIC ACID

1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes."

NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Max. of 70 chars., including numbers, letters, spaces, and punct.)

NA

SECTION 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. [ ] Produce	c. [ ] For on-site use/processing
		b. [ ] Import	d. [ ] For sale/distribution
			e. [ ] As a byproduct
			f. [ ] As an impurity
3.2	Process the toxic chemical	a. [ ] As a reactant	c. [ ] As an article component
		b. [ ] As a formulation component	d. [ ] Repackaging
3.3	Otherwise use the toxic chemical:	a. [ ] As a chemical processing aid	c. [X] Ancillary or other use
		b. [ ] As a manufacturing aid	

Section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)	

SCOEPA00052535

EPA United States Environmental Protection Agency	EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name NITRIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[ ]NA	610	O	
5.2	Stack or point air emissions	[ ]NA	183	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name WILLAMETTE RIVER		0	C	000.00
5.3.2	Stream or Water Body Name NA				
5.3.3	Stream or Water Body Name				
5.4	Underground injections on-site	[X]NA	NA		
5.5	Releases to land on-site				
5.5.1	Landfill	[X]NA	NA		
5.5.2	Land treatment/ application farming	[X]NA	NA		
5.5.3	Surface impoundment	[X]NA	NA		
5.5.4	Other disposal	[X]NA	NA		

[ ] Check here only if additional Section 5.3 information is provided on page 5 of this form.

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052536

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

Section 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

5.3	Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4	Stream or Water Body Name			
5.3.5	Stream or Water Body Name			
5.3.6	Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
Street Address		Street Address	
City	County	City	County
State	Zip Code	State	Zip Code

If additional pages of Part II, Sections 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 5.3/6.1 page this is, here. [1] (example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052537

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | County

State | Zip Code | Is location under control of reporting [ ] YES [ ] NO

	A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.			
2.			
3.			
4.			

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | County

State | Zip Code | Is location under control of reporting [ ] YES [ ] NO

	A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.			
2.			
3.			
4.			

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 6.2 page this is, here. [1]
(example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052538

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: NITRIC ACID

Section 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site treatment is applied to any waste stream containing the toxic chemical or chemical category.

	a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1	W	1: C11; 2: NA	2	100.00 %	Yes [X] No [ ]
7A.2	A	1: A03; 2: NA	3	097.00 %	Yes [ ] No [X]
7A.3				%	Yes [ ] No [ ]
7A.4				%	Yes [ ] No [ ]
7A.5		1: ,		%	Yes [ ] No [ ]

If additional pages are attached, indicate the total number of pages in this box [ ] and indicate which page this is, here [1].

EPA Form 9250-1 (Rev. 12/4/94) - Previous editions are obsolete.

SCOEPA00052539

EPA United States Environmental Protection Agency	EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name NITRIC ACID

Section 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

Section 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1	2	3	4	5
NA				

6	7	8	9	10

SCOEPA00052540

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

Section 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All estimates can be reported using up to two significant figures.	Column A 1994 (pounds/year)	Column B 1995 (pounds/year)	Column C 1996 (pounds/year)	Column D 1997 (pounds/year)
8.1	**Quantity released ***	410	793	889	1308
8.2	**Quantity used for energy recovery on-site**	0	0	0	0
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	313000	609434	683000	1005600
8.7	Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production Ratio or Activity Index	0001.11

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" In Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPRCA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052541

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
c/o Computer Based Systems Inc.
Suite 300
4600 North Fairfax Drive
Arlington, VA 22203

September 3, 1998 ER081:SM

Subject: Toxic Chemical Release Inventory Form R Reports

Enclosed please find copies of toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Three reports are enclosed, including two inadvertent omissions from previous years and one revision. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) Chemical Reports for our facility. Two chemical reports were inadvertently missed during their respective report years and are reported on the regular 5-page Form R. One chemical report is a revision to a previously submitted report. Revisions are noted in blue ink on a photocopy of the original 9-page Form R. The reports are as follows:

Chemical Name	Report Year	CAS Number
Nitrate Compounds	1995	N511 (Section 313 Category)
Ethylene Glycol	1996	000107-21-1
Nitrate Compounds (Revision)	1996	N511 (Section 313 Category)

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052542

Return to: Susan McClelland 4530

Z 463 352 339

US Postal Service

Receipt for Certified Mail

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Street & Number 4600 North Fairfax Dr. St. 300	
Post Office, State, & ZIP Code Arlington VA 22203	
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PS Form 3800, April 1995

Is your RETURN ADDRESS completed on the reverse side?

SENDER:

- Complete items 1 and/or 2 for additional services.
- Complete items 3, 4a, and 4b.
- Print your name and address on the reverse of this form so that we can return this card to you.
- Attach this form to the front of the mailpiece, or on the back if space does not permit.
- Write *"Return Receipt Requested"* on the mailpiece below the article number.
- The Return Receipt will show to whom the article was delivered and the date delivered.

I also wish to receive the following services (for an extra fee):

1. ☐ Addressee's Address
2. ☐ Restricted Delivery

Consult postmaster for fee.

3. Article Addressed to:

EPCRA Reporting Center
C/o Computer Based Systems Inc.
Suite 300
4600 North Fairfax Dr
Arlington VA 22203

4a. Article Number: Z 463 352 339

4b. Service Type

☐ Registered ☑ Certified
☐ Express Mail ☐ Insured
☐ Return Receipt for Merchandise ☐ COD

7. Date of Delivery: SEP 29 1998

5. Received By: *(Print Name)* EPCRA Reporting Center
U.S. EPA
P.O. BOX 3348
Merrifield VA 22116-3348

6. Signature: *(Addressee or Agent)* X

8. Addressee's Address *(Only if requested and fee is paid)*

Thank you for using Return Receipt Service.

PS Form 3811, December 1994 102595-97-B-0179 Domestic Return Receipt

SCOEPA00052543

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O. Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision [ ]

For EPA use only

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 19 95

SECTION 2. TRADE SECRET INFORMATION

2.1	Are you claiming the toxic chemical identified on page 2 trade secret?	2.2	Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)
	[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No Do not answer 2.2; go to Section 3		

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	9/24/95

SECTION 4. FACILITY IDENTIFICATION

4.1 Facility or Establishment Name	TRI Facility ID Number and Mailing Address
WACKER SILTRONIC CORP.	97210WCKRS7200N WACKER SILTRONIC CORP. P.O. BOX 83180 PORTLAND, OR 97283-0180
Street: 7200 N.W. FRONT AVE.	
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210	

4.2	This report contains information for: (Important: check a or b; check c if applicable)	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility			
4.3	Technical Contact Name: SUSAN MULHOLLAND	Telephone Number (include area code): (503) 219-7132					
4.4	Public Contact Name: TIM HARPER	Telephone Number (include area code): (503) 219-7506					
4.5	SIC Code (s) (4 digits)	a. 3674	b.	c.	d.	e.	f.

		Degrees	Minutes	Seconds		Degrees	Minutes	Seconds
4.6	Latitude / Longitude	045	34	36	Longitude	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA	
5.2	Parent Company's Dun & Bradstreet Number	[X] NA	(9 digits)

SCOEPA00052544

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category, or Generic Name: NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS NUMBER (IMPORTANT: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.): N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.): NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic name must be structurally descriptive.): NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.): NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:

a. [X] Produce b. [ ] Import

If produce or import:

c. [ ] For on-site use/processing
d. [ ] For sale/distribution
e. [X] As a byproduct
f. [ ] As an impurity

3.2 Process the toxic chemical:

a. [ ] As a reactant
b. [ ] As a formulation component
c. [ ] As an article component
d. [ ] Repackaging

3.3 Otherwise use the toxic chemical:

a. [ ] As a chemical processing aid
b. [ ] As a manufacturing aid
c. [ ] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		566044	0	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground Injection on-site to Class II-V Wells	NA [X]	NA		

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052545

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A. Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
29792	O

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. — POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.1 page this is here ☐ (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2 — OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Location under control of reporting facility or parent company? ☐ Yes ☐ No

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052546

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category, or Generic Name: NITRATE COMPOUNDS

SECTION 6. 2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

6.2 ___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site Location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.2 page this is, here. ☐ (example: 1.2.3. etc.)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b	1	NA	2					7A.1c	7A.1d	7A.1e
W		3		4		5			2	0%	Yes ☐ No ☒
		6		7		8					
7A.2a	7A.2b	1	NA	2					7A.2c	7A.2d	7A.2e
W		3		4		5			2	0%	Yes ☐ No ☒
		6		7		8					
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
		3		4		5				%	Yes ☐ No ☐
		6		7		8					
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
		3		4		5				%	Yes ☐ No ☐
		6		7		8					
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
		3		4		5				%	Yes ☐ No ☐
		6		7		8					

Range Codes: A= 1-10 pounds; B=11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052547

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N
Toxic Chemical, Category, or Generic Name: NITRATE COMPOUNDS

If additional copies of page 4 are attached, indicate the total number of pages in this box [ ] and indicate which page 4 this is, here. [ ] (example: 1,2,3, etc.)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code (s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4 | 5
6 | 7 | 8 | 9 | 10

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	NA	570000	640000	940000
8.2	Quantity used for energy recovery on-site	NA	0	0	0
8.3	Quantity used for energy recovery off-site	NA	0	0	0
8.4	Quantity recycled on-site	NA	0	0	0
8.5	Quantity recycled off-site	NA	0	0	0
8.6	Quantity treated on-site	NA	0	0	0
8.7	Quantity treated off-site	NA	30000	34000	50000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1.11	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box) YES [ ] NO [X]

* Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052548

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0093
Approval Expires: 04/2000

EPA FORM R

United States Environmental Protection Agency

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O. Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY; 2. APPROPRIATE STATE OFFICE (See Instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 19 96

SECTION 2. TRADE SECRET INFORMATION

2.1	Are you claiming the toxic chemical identified on page 2 trade secret? ☐ Yes (Answer question 2.2; Attach substantiation forms) ☒ No (Do not answer 2.2; go to Section 3)	2.2	Is this copy ☐ Sanitized ☐ Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	9/24/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number and Mailing Address:
97210WCKRS7200N
WACKER SILTRONIC CORP.
P.O. BOX 83180
PORTLAND, OR 97283-0180

4.1	Facility or Establishment Name	WACKER SILTRONIC CORP.
	Street	7200 N.W. FRONT AVE.
	City/County/State/Zip Code	PORTLAND MULTNOMAH OR 97210

4.2	This report contains information for: (Important: check a or b; check c if applicable)	a. ☒ An entire facility	b. ☐ Part of a facility	c. ☐ A Federal facility
4.3	Technical Contact Name: SUSAN MULHOLLAND	Telephone Number (include area code): (503) 219-7132		
4.4	Public Contact Name: JIM HARPER	Telephone Number (include area code): (503) 219-7506		

4.5 SIC Code (s) (4 digits)	a.	b.	c.	d.	e.	f.
	3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		045	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	☒ NA	
5.2	Parent Company's Dun & Bradstreet Number	☒ NA	(9 digits)

SCOEPA00052549

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category, or Generic Name: ETHYLENE GLYCOL

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS NUMBER (IMPORTANT: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
000107211

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
ETHYLENE GLYCOL

1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic name must be structurally descriptive.)
NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. ☐ Produce b. ☐ Import

If produce or import:
- c. ☐ For on-site use/processing
- d. ☐ For sale/distribution
- e. ☐ As a byproduct
- f. ☐ As an impurity

3.2 Process the toxic chemical:
- a. ☐ As a reactant
- b. ☐ As a formulation component
- c. ☐ As an article component
- d. ☐ Repackaging

3.3 Otherwise use the toxic chemical:
- a. ☐ As a chemical processing aid
- b. ☐ As a manufacturing aid
- c. ☒ Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 03 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	0	0	
5.2	Stack or point air emissions	NA ☐	0	0	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	0	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA ☒	NA		
5.4.2	Underground Injection on-site to Class II-V Wells	NA ☒	NA		

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052550

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
ETHYLENE GLYCOL

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A. Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
10800	O

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. ___ POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.1 page this is here ☐ (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2 ___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Location under control of reporting facility or parent company? ☐ Yes ☐ No

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052551

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N
Toxic Chemical, Category, or Generic Name: ETHYLENE GLYCOL

SECTION 6. 2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

6.2 ___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site Location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.2 page this is, here. ☐ (example: 1.2.3. etc.)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 NA; 2; 3; 4; 5; 6; 7; 8	7A.1c: 3	7A.1d: 0 %	7A.1e: Yes ☐ No ☒
7A.2a	7A.2b: 1; 2; 3; 4; 5; 6; 7; 8	7A.2c	7A.2d: %	7A.2e: Yes ☐ No ☐
7A.3a	7A.3b: 1; 2; 3; 4; 5; 6; 7; 8	7A.3c	7A.3d: %	7A.3e: Yes ☐ No ☐
7A.4a	7A.4b: 1; 2; 3; 4; 5; 6; 7; 8	7A.4c	7A.4d: %	7A.4e: Yes ☐ No ☐
7A.5a	7A.5b: 1; 2; 3; 4; 5; 6; 7; 8	7A.5c	7A.5d: %	7A.5e: Yes ☐ No ☐

Range Codes: A= 1-10 pounds; B=11- 499 pounds; C= 500 - 999 pounds;

SCOEPA00052552

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
ETHYLENE GLYCOL

If additional copies of page 4 are attached, indicate the total number of pages in this box [ ] and indicate which page 4 this is, here. [ ] (example: 1,2,3, etc.)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code (s)]

1 NA 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 NA 2 [ ] 3 [ ] 4 [ ] 5 [ ]
6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All quantity estimates can be reported using up to two significant figures.		Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	NA	0	0	0
8.2	Quantity used for energy recovery on-site	NA	0	0	0
8.3	Quantity used for energy recovery off-site	NA	0	0	0
8.4	Quantity recycled on-site	NA	0	0	0
8.5	Quantity recycled off-site	NA	0	0	0
8.6	Quantity treated on-site	NA	0	0	0
8.7	Quantity treated off-site	NA	11000	17000	22000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1.05	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052553

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FORM R TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

HERE TO SEND OMPLETED FORMS:

1. EPCRA Reporting Center
P.O Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision: X

portant: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

For EPA use only

PART I. FACILITY IDENTIFICATION INFORMATION

ECTION 1. EPORTING YEAR

1996

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
☐ Yes. (Answer question 2.2; Attach substantiation forms)
☒ No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: ☐ Sanitized ☐ Unsanitized

ECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections

ereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted ormation is true and complete and that the amounts and values in this report are accurate based on reasonable estimates i data available to the preparers of this report.

and official title of owner/operator or senior management official

OHN PITTMAN / JAMES R. ELLIS / DIRECTOR OF FACILITIES / PRESIDENT

gnature

Date Signed: 09-08-97 / 9/24/98

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name	TRI Facility ID Number
WACKER SILTRONIC CORP.	97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVE.

City	County
PORTLAND	MULTNOMAH

State	Zip Code
OR	97210-~~0180~~

4.1 Mailing Address (if different from street address): P.O. BOX 83180

City: PORTLAND

State	Zip Code
OR	97283-0180

PUT LABEL HERE

EPA

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Environmental Protection
Agency

EPA FORM R
PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 4. FACILITY IDENTIFICATION (continued)

4.2	This report contains information for: (Important check a or b; check c if applicable	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] A Federal facility				
4.3	Technical Contact	Name: ~~MICHAEL SUTTON~~ SUSAN MULHOLLAND	Telephone number (include area code): (503) 243-2020					
4.4	Public Contact	Name: JIM HARPER	Telephone number (include area code): (503) 243-2020					
4.5	SIC Code (4-digit)	a. 3674	b.	c.	d.	e.	f.	

4.6	Latitude and Longitude	Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
		045	34	36	122	45	10

	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b.
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a. ORD096253737
		b.
4.9	Facility NPDES Permit Number(s) (9 characters)	a. OR0030589
		b.
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA
5.2	Parent Company's Dun & Bradstreet Number	[X] NA

SCOEPA00052555

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you complete Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive)
	NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1	**Manufacture the toxic chemical:**	a. [X] Produce b. [ ] Import	If produce or import: c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [X] As a byproduct f. [ ] As an impurity	
3.2	**Process the toxic chemical:**	a. [ ] As a reactant b. [ ] As a formulation component	c. [ ] As an article component d. [ ] Repackaging	
3.3	**Otherwise use the toxic chemical:**	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [X] Ancillary or other use	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	~~05~~ 04	(Enter two-digit code from instruction package.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/ year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[X] NA	~~1024~~	~~O~~	
5.2	Stack or point air emissions	[X] NA	~~5170~~	~~O~~	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name: WILLAMETTE RIVER		~~869000~~ 959531	~~O~~ O	000.00
5.3.2	Stream or Water Body Name				
5.3.3	Stream or Water Body Name				
5.4.1	Underground injections on-site to Class I Wells	[X] NA			
5.4.2	Underground injections on-site to Class II-V Wells	[X] NA			
5.5	Disposal to land on-site				
5.5.1A	RCRA Subtitle C landfills	[X] NA			
5.5.1B	Other landfills	[X] NA			
5.5.2	Land treatment/ application farming	[X] NA			
5.5.3	Surface Impoundment	[X] NA			
5.5.4	Other disposal	[X] NA			

[ ] **Check here only if additional Section 5.3 information is provided on page 5 of this form.**

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N

Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

ECTION 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
.3.4 Stream or Water Body Name			
.3.5 Stream or Water Body Name			
.3.6 Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	.2 Basis of Estimate (enter code)
~~53200~~ 50502	~~M~~ O

.1.B POTW Name and Location Information

6.1.B.1 POTW Name	6.1.B. 2 POTW Name
ITY OF PORTLAND	
Street Address: 211 SW 5TH AVE	Street Address:
City: PORTLAND	County: MULTNOMAH
State: OR	Zip Code: 97204-
City:	County:
State:	Zip Code: -

If additional pages of Part II, Section 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 5.3/6.1 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.) NA

Off-Site Location Name

Street Address

City County

State Zip Code - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
	1.	1.
	2.	2.
	3.	3.
	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)

Off-Site Location Name

Street Address

City County

State Zip Code - Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery(enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [1] and indicate which Part II, Section 6.2 page this is, here. [1] (example: 1, 2, 3, etc.)

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EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 ~~A03~~ NA; 2 ~~NA~~; 3; 4; 5; 6; 7; 8	7A.1c	7A.1d	7A.1e
~~A~~ W		~~3~~ 2	~~09~~ % 0	Yes ☐ No ☒
7A.2a	7A.2b: 1 NA; 2; 3; 4; 5; 6; 7; 8	7A.2c	7A.2d	7A.2e
W		2	0 %	Yes ☐ No ☒
7A.3a	7A.3b: 1 ~~C99~~; 2 ~~NA~~; 3; 4; 5; 6; 7; 8	7A.3c	7A.3d	7A.3e
~~W~~		~~1~~	~~9.29~~ %	Yes ☐ No ~~X~~
7A.4a	7A.4b: 1 ~~NA~~; 2; 3; 4; 5; 6; 7; 8	7A.4c	7A.4d	7A.4e
~~W~~		~~2~~	~~0~~ %	Yes ☐ No ~~X~~
7A.5a	7A.5b: 1; 2; 3; 4; 5; 6; 7; 8	7A.5c	7A.5d	7A.5e
			%	Yes ☐ No ☐

If additional copies of page 7 are attached, indicate the total number of pages in this box [1] and indicate which page 7 this is, here. [1] (example: 1, 2, 3, etc.)

SCOEPA00052560

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EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.**

nergy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

SECTION 7C. ON-SITE RECYCLING PROCESSES

☐ **Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.**

Recycling Methods [enter 3-character code(s)]

1.	2.	3.	4.	5.
NA				

6.	7.	8.	9.	10.

SCOEPA00052561

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United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
NITRATE COMPOUNDS

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	quantity estimates can be reported ing up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
1	Quantity released*	~~630000~~ 570000	~~875000~~ 960000	~~1400000~~ 1500000	~~1750000~~ 1900000
2	Quantity used for energy recovery on-site	0	0	0	0
3	Quantity used for energy recovery off-site	0	0	0	0
4	Quantity recycled on-site	0	0	0	0
5	Quantity recycled off-site	0	0	0	0
6	Quantity treated on-site	~~60000~~ 0	~~96000~~ 0	~~150000~~ 0	~~190000~~ 0
[redacted]	Quantity treated off-site	~~0~~ 30000	~~53200~~ 50500	~~0~~ 79000	~~0~~ 101000

.8	Quantity released to the environment as a result of remedial actions, catastropic events, or one-time events not associated with production processes (pounds/year)	0
.9	Production ratio or activity index	0001.05

.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
.10.1	NA	a.	b.	c.
.10.2		a.	b.	c.
.10.3		a.	b.	c.
.10.4		a.	b.	c.

		YES	NO
.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	☐	☒

*ort releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052562

WACKER
Wacker Siltronic Corporation

EPCRA Reporting Center
c/o Computer Based Systems Inc.
Suite 300
4600 North Fairfax Drive
Arlington, VA 22203

September 3, 1998 ER081:SM

Subject: Toxic Chemical Release Inventory Form R Reports

Enclosed please find copies of toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Three reports are enclosed, including two inadvertent omissions from previous years and one revision. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) Chemical Reports for our facility. Two chemical reports were inadvertently missed during their respective report years and are reported on the regular 5-page Form R. One chemical report is a revision to a previously submitted report. Revisions are noted in blue ink on a photocopy of the original 9-page Form R. The reports are as follows:

Chemical Name	Report Year	CAS Number
Nitrate Compounds	1995	N511 (Section 313 Category)
Ethylene Glycol	1996	000107-21-1
Nitrate Compounds (Revision)	1996	N511 (Section 313 Category)

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

WACKER
Wacker Siltronic Corporation

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshal
4760 Portland Road, Northeast
Salem, OR 97305-1760

September 3, 1998 ER082:SM

Subject: Toxic Chemical Release Inventory Form R Reports

Enclosed please find copies of toxic chemical release reporting information for Wacker Siltronic Corporation (TRI Facility ID 97210WCKRS7200N). Three reports are enclosed, including two inadvertent omissions from previous years and one revision. Included is a signed copy of the submittal letter to the EPCRA Reporting Center. This information is submitted as required under Section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) Chemical Reports for our facility. Two chemical reports were inadvertently missed during their respective report years and are reported on the regular 5-page Form R. One chemical report is a revision to a previously submitted report. Revisions are noted in blue ink on a photocopy of the original 9-page Form R. The reports are as follows:

Chemical Name	Report Year	CAS Number
Nitrate Compounds	1995	N511 (Section 313 Category)
Ethylene Glycol	1996	000107-21-1
Nitrate Compounds (Revision)	1996	N511 (Section 313 Category)

Our technical point of contact is Susan Mulholland who can be contacted at (503) 219-7132 if there should be any questions related to these reports.

Regards,

WACKER SILTRONIC CORPORATION

Susan Mulholland
Environmental Engineer

c: Tom McCue, Environmental Manager

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052564

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O. Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY; 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: [ ]

For EPA use only

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 19 95

SECTION 2. TRADE SECRET INFORMATION

2.1	Are you claiming the toxic chemical identified on page 2 trade secret? [ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; go to Section 3)	2.2	Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date signed:
JAMES R. ELLIS PRESIDENT	James R Ellis	9/24/98

SECTION 4. FACILITY IDENTIFICATION

TRI Facility ID Number and Mailing Address:
97210WCKRS7200N
WACKER SILTRONIC CORP.
P.O. BOX 83180
PORTLAND, OR 97283-0180

4.1 Facility or Establishment Name: WACKER SILTRONIC CORP.

Street: 7200 N.W. FRONT AVE.

City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210

4.2 This report contains information for: (Important: check a or b; check c if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility

4.3	Technical Contact Name	SUSAN MULHOLLAND	Telephone Number (include area code): (503) 219-7132
4.4	Public Contact Name	JIM HARPER	Telephone Number (include area code): (503) 219-7506

4.5	SIC Code (s) (4 digits)	a.	b.	c.	d.	e.	f.
		3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		045	34	36		122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	4.9	Facility NPDES Permit Number(s) (9 characters)	4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a.	096253737	a.	ORD096253737	a.	OR0030589	a.	NA
b.		b.		b.		b.	

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	[X] NA	
5.2	Parent Company's Dun & Bradstreet Number	[X] NA	(9 digits)

SCOEPA00052565

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category, or Generic Name: NITRATE COMPOUNDS

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS NUMBER (IMPORTANT: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) N511
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) NITRATE COMPOUNDS
1.3	Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes". Generic name must be structurally descriptive.) NA

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you complete Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:		
c. [ ] For on-site use/processing	a. [ ] As a reactant	a. [ ] As a chemical processing aid
d. [ ] For sale/distribution	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
e. [X] As a byproduct	c. [ ] As an article component	c. [ ] Ancillary or other use
f. [ ] As an impurity	d. [ ] Repackaging	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

			A. Total Release (pounds/year)(enter range from instructions or estimate)	B. Basis of estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [X]	NA		
5.2	Stack or point air emissions	NA [X]	NA		
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		566044	0	000.00
5.3.2					
5.3.3					
5.4.1	Underground Injection on-site to Class I Wells	NA [X]	NA		
5.4.2	Underground Injection on-site to Class II-V Wells	NA [X]	NA		

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052566

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
NITRATE COMPOUNDS

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM

		NA	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)
5.5	Disposal to land on-site			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A. Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
29792	O

6.1.B. POTW Name	1	CITY OF PORTLAND					
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name	—						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.1 page this is here ☐ (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2 — OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)	NA						
Off-Site Location Name	NA						
Off-Site Address							
City		State		County		Zip	

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052567

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N
Toxic Chemical, Category, or Generic Name: NITRATE COMPOUNDS

SECTION 6. 2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (continued)

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

6.2 ___ OFF-SITE EPA IDENTIFICATION NUMBER (RCRA ID NO.)

Off-Site Location Name

Off-Site Address

City | State | County | Zip

Is location under control of reporting facility or parent company? ☐ Yes ☐ No

A. Total Transfers (pound/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.M
2.	2.	2.M
3.	3.	3.M
4.	4.	4.M

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box ☐ and indicate which Part II, Section 6.2 page this is, here. ☐ (example: 1.2.3. etc.)

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

☐ **Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.**

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b	1	NA	2					7A.1c	7A.1d	7A.1e
W		3		4		5			2	0%	Yes ☐ No ☒
		6		7		8					
7A.2a	7A.2b	1	NA	2					7A.2c	7A.2d	7A.2e
W		3		4		5			2	0%	Yes ☐ No ☒
		6		7		8					
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
		3		4		5				%	Yes ☐ No ☐
		6		7		8					
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
		3		4		5				%	Yes ☐ No ☐
		6		7		8					
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
		3		4		5				%	Yes ☐ No ☐
		6		7		8					

Range Codes: A= 1-10 pounds; B=11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052568

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Toxic Chemical, Category, or Generic Name: NITRATE COMPOUNDS

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

If additional copies of page 4 are attached, indicate the total number of pages in this box [ ] and indicate which page 4 this is, here. [ ] (example: 1,2,3, etc.)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code (s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4 | 5

6 | 7 | 8 | 9 | 10

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All quantity estimates can be reported using up to two significant figures.	Column A Prior Year (pounds/year)	Column B Current Reporting Year (pounds/year)	Column C Following Year (pounds/year)	Column D Second Following Year (pounds/year)
8.1	Quantity released *	NA	570000	640000	940000
8.2	Quantity used for energy recovery on-site	NA	0	0	0
8.3	Quantity used for energy recovery off-site	NA	0	0	0
8.4	Quantity recycled on-site	NA	0	0	0
8.5	Quantity recycled off-site	NA	0	0	0
8.6	Quantity treated on-site	NA	0	0	0
8.7	Quantity treated off-site	NA	30000	34000	50000
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			1.11	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052569

WACKER
Wacker Siltronic Corporation

July 30, 1996 ER29:MS

Mr. Bob Albers
Oregon Emergency Response Commission
c/o State Fire Marshall
4760 Portland Road, Northeast
Salem, Oregon 97305-1760

Dear Mr. Albers:

Enclosed please find the Toxics Release Inventory Form R reports containing information for Wacker Siltronic Corporation (TRI facility ID 97210WCKRS7200N). This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three reports from our facility, which refer to three chemicals. The chemicals are reported on the regular 9-page Form R, as follows:

Chemical name	Reporting Year	CAS Number
HYDROGEN FLUORIDE	1995	007664-39-3
NITRIC ACID	1995	007697-37-2
HYDROCHLORIC ACID	1995	007647-01-0

Our technical point of contact is Michael Sutton who can be contacted at (503) 243-2020 if there should be any questions related to these reports.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

James R. Ellis
President
Wacker Siltronic Corporation

cc: Tom McCue

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

SCOEPA00052570

Form Approved OMB Number: 2070-0092
(IMPORTANT: Type or print; read instructions before completing form) Approval Expires: 11/92 PAGE 1 OF 9

United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROGEN FLUORIDE

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision:

For EPA use only:

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR: 1995

Section 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JAMES R. ELLIS, PRESIDENT

Signature: James R Ellis

Date Signed: 07/31/96

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORPORATION

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVENUE

City: PORTLAND

County: MULTNOMAH

4.1 State: OR

Zip Code: 97210-

Mailing Address (if different from street address): P.O. BOX 83180

City: PORTLAND

State: OR

Zip Code: 97283-0180

PUT LABEL HERE

EPA Form 9250-1 (Rev. 12/4/94) - Previous editions are obsolete.

SCOEPA00052571

EPA United States Environmental Protection Agency	EPA FORM R PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name HYDROGEN FLUORIDE

SECTION 4. FACILITY IDENTIFICATION (Continued)

4.2	This report contains information for: (Important: check only one)	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] Federal Facility				
4.3	Technical Contact	Name MICHAEL SUTTON			Telephone Number (include area code) (503)243-2020			
4.4	Public Contact	Name JIM HARPER			Telephone Number (include area code) (503)243-2020			
4.5	SIC Code (4-digit)	a. 3674	b. NA	c.	d.	e.	f.	

4.6		Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	Latitude and Longitude	045	34	36	122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	a.	096253737
		b.	NA
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a.	ORD096253737
		b.	
4.9	Facility NPDES Permit Number(s) (9 characters)	a.	OR0030589
		b.	
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a.	NA
		b.	

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	
	[X] NA	NA
5.2	Parent Company's Dun & Bradstreet Number	
	[X] NA	(9 Digits) NA

SCOEPA00052572

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you complete Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list.

007664-39-3

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

HYDROGEN FLUORIDE

1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes."

NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Max. of 70 chars., including numbers, letters, spaces, and punct.)

NA

SECTION 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. [ ] Produce	c. [ ] For on-site use/processing
		b. [ ] Import	d. [ ] For sale/distribution
			e. [ ] As a byproduct
			f. [ ] As an impurity
3.2	Process the toxic chemical	a. [ ] As a reactant	c. [ ] As an article component
		b. [ ] As a formulation component	d. [ ] Repackaging
3.3	Otherwise use the toxic chemical:	a. [ ] As a chemical processing aid	c. [X] Ancillary or other use
		b. [ ] As a manufacturing aid	

Section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	04 (Enter two-digit code from instruction package.)	

SCOEPA00052573

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EPA FORM R

PART II. CHEMICAL-SPECIFIC
INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROGEN FLUORIDE

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[ ]NA	107	O	
5.2	Stack or point air emissions	[ ]NA	11	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name WILLAMETTE RIVER		0	C	000.00
5.3.2	Stream or Water Body Name NA				
[redacted]3	Stream or Water Body Name				
5.4	Underground injections on-site	[X]NA	NA		
5.5	Releases to land on-site				
5.5.1	Landfill	[X]NA	NA		
5.5.2	Land treatment/ application farming	[X]NA	NA		
5.5.3	Surface impoundment	[X]NA	NA		
5.5.4	Other disposal	[X]NA	NA		

[ ] Check here only if additional Section 5.3 information is provided on page 5 of this form.

Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052574

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

Section 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

5.3	Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4	**Stream or Water Body Name**			
5.3.5	**Stream or Water Body Name**			
5.3.6	Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B POTW Name and Location Information

6.1.B.1	POTW Name	6.1.B.2	POTW Name
Street Address		Street Address	
City	County	City	County
State	Zip Code	State	Zip Code

If additional pages of Part II, Sections 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 5.3/6.1 page this is, here. [1] (example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052575

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | **County**

State | **Zip Code** | **Is location under control of reporting** [ ] YES [ ] NO

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | **County**

State | **Zip Code** | **Is location under control of reporting** [ ] YES [ ] NO

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 6.2 page this is, here. [1]
(example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052576

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROGEN FLUORIDE

Section 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence (enter 3-character code(s))	c. Range of Influent Concentration	d. Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 C01, 2 C09, 3 C11, 4 P11, 5 P12, 6 P13, 7 NA, 8	7A.1c	7A.1d	7A.1e
W		2	100.00 %	Yes [X] No [ ]
7A.2a	7A.2b: 1 A03, 2 NA, 3, 4, 5, 6, 7, 8	7A.2c	7A.2d	7A.2e
A		3	099.00 %	Yes [ ] No [X]
7A.3a	7A.3b: 1, 2, 3, 4, 5, 6, 7, 8	7A.3c	7A.3d	7A.3e
			%	Yes [ ] No [ ]
7A.4a	7A.4b: 1, 2, 3, 4, 5, 6, 7, 8	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1, 2, 3, 4, 5, 6, 7, 8	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages are attached, indicate the total number of pages in this box [ ] and indicate which page this is, here [1].

SCOEPA00052577

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROGEN FLUORIDE

Section 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

Section 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1	2	3	4	5
NA				

6	7	8	9	10

SCOEPA00052578

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROGEN FLUORIDE

Section 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

All estimates can be reported using up to two significant figures.	Column A 1994 (pounds/year)	Column B 1995 (pounds/year)	Column C 1996 (pounds/year)	Column D 1997 (pounds/year)
8.1 Quantity released *	**66**	**118**	**132**	**195**
8.2 Quantity used for energy recovery on-site	**0**	**0**	**0**	**0**
8.3 Quantity used for energy recovery off-site	0	0	0	0
8.4 Quantity recycled on-site	0	0	0	0
8.5 Quantity recycled off-site	0	0	0	0
8.6 Quantity treated on-site	58500	106683	119500	176000
8.7 Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production Ratio or Activity Index	0001.11

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" In Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	YES [ ]	NO [X]

* Report releases pursuant to EPRCA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052579

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number: 2070-0092
Approval Expires: 11/92

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: NITRIC ACID

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision

For EPA use only

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR: 1995

Section 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hearby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JAMES R. ELLIS, PRESIDENT

Signature: James R. Ellis

Date Signed: 07/31/96

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORPORATION

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVENUE

City: PORTLAND

County: MULTNOMAH

4.1 State: OR

Zip Code: 97210-

Mailing Address (if different from street address): P.O. BOX 83180

City: PORTLAND

State: OR

Zip Code: 97283-0180

PUT LABEL HERE

SCOEPA00052580

EPA United States Environmental Protection Agency	EPA FORM R PART I. FACILITY IDENTIFICATION INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name NITRIC ACID

SECTION 4. FACILITY IDENTIFICATION (Continued)

4.2	This report contains information for: (Important: check only one)	a. [X] An entire facility b. [ ] Part of a facility c. [ ] Federal Facility
4.3	Technical Contact — Name: MICHAEL SUTTON	Telephone Number (include area code): (503)243-2020
4.4	**Public Contact — Name: JIM HARPER**	**Telephone Number (include area code): (503)243-2020**

4.5 SIC Code (4-digit)	a. 3674	b. NA	c.	d.	e.	f.

4.6 Latitude and Longitude	Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
	045	34	36	122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	a. 096253737
		b. NA
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a. ORD096253737
		b.
4.9	Facility NPDES Permit Number(s) (9 characters)	a. OR0030589
		b.
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a. NA
		b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	
	[X] NA	NA
5.2	Parent Company's Dun & Bradstreet Number	
	[X] NA	(9 Digits) NA

SCOEPA00052581

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you complete Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list.

007697-37-2

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)

NITRIC ACID

1.3 Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes."

NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Max. of 70 chars., including numbers, letters, spaces, and punct.)

NA

SECTION 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. [ ] Produce	c. [ ] For on-site use/processing
		b. [ ] Import	d. [ ] For sale/distribution
			e. [ ] As a byproduct
			f. [ ] As an impurity
3.2	Process the toxic chemical	a. [ ] As a reactant	c. [ ] As an article component
		b. [ ] As a formulation component	d. [ ] Repackaging
3.3	Otherwise use the toxic chemical:	a. [ ] As a chemical processing aid	c. [X] Ancillary or other use
		b. [ ] As a manufacturing aid	

Section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	05 (Enter two-digit code from instruction package.)	

SCOEPA00052582

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[ ]NA	610	O	
5.2	Stack or point air emissions	[ ]NA	183	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name				
	WILLAMETTE RIVER		0	C	000.00
5.3.2	Stream or Water Body Name				
	NA				
5.3.3	Stream or Water Body Name				
5.4	Underground injections on-site	[X]NA	NA		
5.5	Releases to land on-site				
5.5.1	Landfill	[X]NA	NA		
5.5.2	Land treatment/ application farming	[X]NA	NA		
5.5.3	Surface impoundment	[X]NA	NA		
5.5.4	Other disposal	[X]NA	NA		

[ ] Check here only if additional Section 5.3 information is provided on page 5 of this form.

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052583

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

Section 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

5.3	Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4	**Stream or Water Body Name**			
5.3.5	**Stream or Water Body Name**			
5.3.6	Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B POTW Name and Location Information

6.1.B.1 POTW Name		6.1.B.2 POTW Name	
Street Address		**Street Address**	
City	County	City	County
State	Zip Code	State	Zip Code

If additional pages of Part II, Sections 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 5.3/6.1 page this is, here. [1] (example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052584

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | County

State | Zip Code | Is location under control of reporting [ ] YES [ ] NO

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City | County

State | Zip Code | Is location under control of reporting [ ] YES [ ] NO

A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 6.2 page this is, here. [1]
(example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052585

EPA — ited States vironmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: NITRIC ACID

Section 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 C11; 2 NA; 3; 4; 5; 6; 7; 8	7A.1c	7A.1d	7A.1e
W		2	100.00 %	Yes [X] No [ ]
7A.2a	7A.2b: 1 A03; 2 NA; 3; 4; 5; 6; 7; 8	7A.2c	7A.2d	7A.2e
A		3	097.00 %	Yes [ ] No [X]
7A.3a	7A.3b: 1; 2; 3; 4; 5; 6; 7; 8	7A.3c	7A.3d	7A.3e
			%	Yes [ ] No [ ]
7A.4a	7A.4b: 1; 2; 3; 4; 5; 6; 7; 8	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1; 2; 3; 4; 5; 6; 7; 8	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages are attached, indicate the total number of pages in this box [ ] and indicate which page this is, here [1].

EPA Form 9250-1 (Rev. 12/4/94) - Previous editions are obsolete.

SCOEPA00052586

EPA	EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	TRI FACILITY ID NUMBER
United States Environmental Protection Agency		97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

Section 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

Section 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1	2	3	4	5
NA				

6	7	8	9	10

SCOEPA00052587

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		NITRIC ACID

Section 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All estimates can be reported using up to two significant figures.	Column A 1994 (pounds/year)	Column B 1995 (pounds/year)	Column C 1996 (pounds/year)	Column D 1997 (pounds/year)
8.1	**Quantity released ***	**410**	**793**	**889**	**1308**
8.2	**Quantity used for energy recovery on-site**	**0**	**0**	**0**	**0**
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	313000	609434	683000	1005600
8.7	Quantity treated off-site	0	0	0	0

8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)	0
8.9	Production Ratio or Activity Index	0001.11

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" In Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPRCA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052588

Form Approved OMB Number: 2070-0092
(IMPORTANT: Type or print; read instructions before completing form) Approval Expires: 11/92 PAGE 1 OF 9

EPA

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROCHLORIC ACID

WHERE TO SEND COMPLETED FORMS:
1. EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3348
ATTN: TOXIC CHEMICAL RELEASE INVENTORY

2. APPROPRIATE STATE OFFICE
(See instructions in Appendix F)

Enter "X" here if this is a revision:

For EPA use only:

IMPORTANT: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR: 1995

Section 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 3 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms)
[X] No (Do not answer 2.2; Go to Section 3)

2.2 If yes in 2.1, is this copy: [ ] Sanitized [ ] Unsanitized

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official
JAMES R. ELLIS, PRESIDENT

Signature: James R Ellis

Date Signed: 07/31/96

SECTION 4. FACILITY IDENTIFICATION

Facility or Establishment Name: WACKER SILTRONIC CORPORATION

TRI Facility ID Number: 97210WCKRS7200N

Street Address: 7200 N.W. FRONT AVENUE

City: PORTLAND

County: MULTNOMAH

4.1 State: OR

Zip Code: 97210-

Mailing Address (if different from street address): P.O. BOX 83180

City: PORTLAND

State: OR

Zip Code: 97283-0180

PUT LABEL HERE

EPA Form 9250-1 (Rev. 12/4/94) - Previous editions are obsolete.

SCOEPA00052589

EPA
United States
Environmental
Protection
Agency

EPA FORM R
PART I. FACILITY IDENTIFICATION
INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER
97210WCKRS7200N
Chem., Cat., or Gen. Name
HYDROCHLORIC ACID

SECTION 4. FACILITY IDENTIFICATION (Continued)

4.2	This report contains information for: (Important: check only one)	a. [X] An entire facility	b. [ ] Part of a facility	c. [ ] Federal Facility				
4.3	Technical Contact	Name: MICHAEL SUTTON	Telephone Number (include area code): (503)243-2020					
4.4	Public Contact	Name: JIM HARPER	Telephone Number (include area code): (503)243-2020					
4.5	SIC Code (4-digit)	a. 3674	b. NA	c.	d.	e.	f.	

4.6		Latitude			Longitude		
		Degrees	Minutes	Seconds	Degrees	Minutes	Seconds
	Latitude and Longitude	045	34	36	122	45	10

4.7	Dun & Bradstreet Number(s) (9 digits)	a.	096253737
		b.	NA
4.8	EPA Identification Number(s) (RCRA I.D. No.) (12 characters)	a.	ORD096253737
		b.	
4.9	Facility NPDES Permit Number(s) (9 characters)	a.	OR0030589
		b.	
4.10	Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)	a.	NA
		b.	

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	
	[X] NA	NA
5.2	Parent Company's Dun & Bradstreet Number	
	[X] NA	(9 Digits) NA

SCOEPA00052590

EPA United States Environmental Protection Agency	EPA FORM R PART II. CHEMICAL-SPECIFIC INFORMATION	TRI FACILITY ID NUMBER 97210WCKRS7200N Chem., Cat., or Gen. Name HYDROCHLORIC ACID

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you complete Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list.

007647-01-0

1.2 **Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)**

HYDROCHLORIC ACID

1.3 **Generic Chemical Name (Important: Complete only if Part I, Section 2.1 is checked "yes."**

NA

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you complete Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Max. of 70 chars., including numbers, letters, spaces, and punct.)

NA

SECTION 3. ACTIVITIES AND USES OF THE CHEMICAL AT THE FACILITY (Important: Check all that apply.)

			If produce or import:
3.1	Manufacture the toxic chemical:	a. [X] Produce b. [ ] Import	c. [ ] For on-site use/processing d. [ ] For sale/distribution e. [X] As a byproduct f. [ ] As an impurity
3.2	Process the toxic chemical	a. [ ] As a reactant b. [ ] As a formulation component	c. [ ] As an article component d. [ ] Repackaging
3.3	Otherwise use the toxic chemical:	a. [ ] As a chemical processing aid b. [ ] As a manufacturing aid	c. [X] Ancillary or other use

Section 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ON-SITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	03 (Enter two-digit code from instruction package.)	

SCOEPA00052591

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

SECTION 5. RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

			A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	[ ]NA	0	O	
5.2	Stack or point air emissions	[ ]NA	1210	O	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
5.3.1	Stream or Water Body Name				
	WILLAMETTE RIVER		0	C	000.00
5.3.2	Stream or Water Body Name				
	NA				
5.3.3	Stream or Water Body Name				
5.4	Underground injections on-site	[X]NA	NA		
5.5	Releases to land on-site				
5.5.1	Landfill	[X]NA	NA		
5.5.2	Land treatment/ application farming	[X]NA	NA		
5.5.3	Surface impoundment	[X]NA	NA		
5.5.4	Other disposal	[X]NA	NA		

[ ] Check here only if additional Section 5.3 information is provided on page 5 of this form.

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052592

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

Section 5.3 ADDITIONAL INFORMATION ON RELEASES OF THE TOXIC CHEMICAL TO THE ENVIRONMENT ON-SITE

5.3	Discharges to receiving streams or water bodies (enter one name per box)	A. Total Release (pounds/year) (enter range code from instructions or estimate)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.3.4	**Stream or Water Body Name**			
5.3.5	**Stream or Water Body Name**			
5.3.6	Stream or Water Body Name			

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTW)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate	
6.1.A.1 Total Transfers (pounds/year) (enter range code or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B POTW Name and Location Information			
6.1.B.1	POTW Name	6.1.B.2	POTW Name
Street Address		Street Address	
City	County	City	County
State	Zip Code	State	Zip Code

If additional pages of Part II, Sections 5.3 and/or 6.1 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 5.3/6.1 page this is, here. [1] (example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052593

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-site EPA Identification Number (RCRA ID No.)
AZD043840479

Off-Site Location Name BOC GASES

Street Address 1122 NORTH 52ND STREET

City	County	State	Zip Code	Is location under control of reporting
PHOENIX	MARICOPA	AZ	85008-	[ ] YES [X] NO

	A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	20535	C	M69
2.			
3.			
4.			

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.2 Off-site EPA Identification Number (RCRA ID No.)
NA

Off-Site Location Name

Street Address

City	County	State	Zip Code	Is location under control of reporting
				[ ] YES [ ] NO

	A. Total Transfers (pounds/year) (enter range code or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.			
2.			
3.			
4.			

If additional pages of Part II, Section 6.2 are attached, indicate the total number of pages in this box [ ] and indicate which Part II, Sections 6.2 page this is, here. [1]
(example: 1,2,3,etc.)

 Range Codes: A = 1-10 pounds; B = 11-499 pounds; C = 500 - 999 pounds.

SCOEPA00052594

EPA

United States Environmental Protection Agency

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI FACILITY ID NUMBER: 97210WCKRS7200N

Chem., Cat., or Gen. Name: HYDROCHLORIC ACID

Section 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Treatment Efficiency Estimate	e. Based on Operating Data?
7A.1a	7A.1b: 1 C11; 2 NA; 3; 4; 5; 6; 7; 8	7A.1c	7A.1d	7A.1e
W		2	100.00 %	Yes [X] No [ ]
7A.2a	7A.2b: 1 A03; 2 NA; 3; 4; 5; 6; 7; 8	7A.2c	7A.2d	7A.2e
A		2	099.00 %	Yes [ ] No [X]
7A.3a	7A.3b: 1; 2; 3; 4; 5; 6; 7; 8	7A.3c	7A.3d	7A.3e
			%	Yes [ ] No [ ]
7A.4a	7A.4b: 1; 2; 3; 4; 5; 6; 7; 8	7A.4c	7A.4d	7A.4e
			%	Yes [ ] No [ ]
7A.5a	7A.5b: 1; 2; 3; 4; 5; 6; 7; 8	7A.5c	7A.5d	7A.5e
			%	Yes [ ] No [ ]

If additional pages are attached, indicate the total number of pages in this box [ ] and indicate which page this is, here [1].

SCOEPA00052595

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

Section 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1	2	3	4
NA			

Section 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1	2	3	4	5
NA				

6	7	8	9	10

SCOEPA00052596

EPA	EPA FORM R	TRI FACILITY ID NUMBER
United States Environmental Protection Agency	PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)	97210WCKRS7200N
		Chem., Cat., or Gen. Name
		HYDROCHLORIC ACID

Section 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

	All estimates can be reported using up to two significant figures.	Column A 1994 (pounds/year)	Column B 1995 (pounds/year)	Column C 1996 (pounds/year)	Column D 1997 (pounds/year)
8.1	**Quantity released ***	**880**	**1210**	**1355**	**2000**
8.2	**Quantity used for energy recovery on-site**	**0**	**0**	**0**	**0**
8.3	Quantity used for energy recovery off-site	0	0	0	0
8.4	Quantity recycled on-site	0	0	0	0
8.5	Quantity recycled off-site	0	0	0	0
8.6	Quantity treated on-site	108200	119466	133800	197000
8.7	Quantity treated off-site	15000	20535	23000	33900
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)				0
8.9	Production Ratio or Activity Index				0001.11

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" In Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities (enter code(s))	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

		YES	NO
8.11	Is additional optional information on source reduction, recycling, or pollution control activities included with this report? (Check one box)	[ ]	[X]

* Report releases pursuant to EPRCA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated on-site or off-site.

SCOEPA00052597

SARA 313
Rvn R 1995

WACKER
Wacker Siltronic Corporation

ER30:MS Page 1 of 2 Pages.

WACKER SILTRONIC CORPORATION
P.O. BOX 83180
PORTLAND, OR 972830180
TRI Fac. ID #97210WCKRS7200N
July 30, 1996

EPCRA Reporting Center
P.O. Box 3348
Merrifield, VA 22116-3342
Attn: Toxic Chemical Release Inventory
Magnetic Media Submission

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

WACKER SILTRONIC CORPORATION

This information is submitted as required under section 313, Title III of the Superfund Amendments and Reauthorization Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of three (3) reports from our facility, which refer to (3)chemicals.

THREE (3) chemicals are reported on the regular 9-page FORM R, as follows:

Chemical Name	RY	CAS Number
HYDROGEN FLUORIDE	1995	007664-39-3
NITRIC ACID	1995	007697-37-2
HYDROCHLORIC ACID	1995	007647-01-0

Wacker Siltronic Corporation
P.O. Box 83180
Portland, OR 97283-0180
Phone (503) 243-2020
TDD (503) 241-7519

An ISO 9001 Certified Corporation

SCOEPA00052598

Our technical point of contact is:

MICHAEL SUTTON, Phone Number: (503) 243-2020,

and is available should any questions or problems arise in your processing of these diskettes.

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Sincerely yours,

JAMES R. ELLIS
PRESIDENT
WACKER SILTRONIC CORPORATION

Enclosures

EPA

United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number: 97210WCKRS7200N

Toxic Chemical, Category or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols" only)

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: X

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2004

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
NEIL J. NELSON PRESIDENT		06/22/2005

SECTION 4. FACILITY IDENTIFICATION

4.1

Facility or Establishment Name	TRI Facility ID Number	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	97210WCKRS7200N	
Street: 7200 NW FRONT AVENUE	Mailing Address: NA	
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code	Country (Non-US)

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	JIM.CLAXTON@SILTRONIC.COM	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052600

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	7647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	Hydrochloric acid (1995 and after "Acid Aerosols" only)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [X] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 ~~04~~ 02 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

100 # to 999 # = 02 vs-
10,000 # to 99,999 # = 04

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	435	O	
5.2	Stack or point air emissions	NA ☐	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	NA				
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

Pg 3 Aspect -

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
NA	

6.1.B. 1	POTW Name	NA					
POTW Address							
City		State		County		Zip	
6.1.B.	POTW Name						
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479
Off-Site Location Name	BOC GASES
Off-site Address	1122 NORTH 52ND STREET

City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052602

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~42300~~ 29857	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) PAD987283207

Off-Site location Name: AIR LIQUIDE AMERICAN CORP. page 5 Aspects-

Off-site Address: 19 STEEL ROAD WEST

City	State	County	Zip	Country (Non-US)
MORRISVILLE	PA	BUCKS	190673698	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~1224~~ 864	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1		2					7A.2c	7A.2d	7A.2e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052603

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.)	ORQ000009423
Off-Site location Name	KANTO CORPORATION
Off-site Address	13424 N WOODRUSH WAY

City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 34	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2		3		4	7A.6c	7A.6d	7A.6e
	5		6		7		8			%	Yes [ ] No [ ]
7A.7a	7A.7b	1		2		3		4	7A.7c	7A.7d	7A.7e
	5		6		7		8			%	Yes [ ] No [ ]
7A.8a	7A.8b	1		2		3		4	7A.8c	7A.8d	7A.8e
	5		6		7		8			%	Yes [ ] No [ ]
7A.9a	7A.9b	1		2		3		4	7A.9c	7A.9d	7A.9e
	5		6		7		8			%	Yes [ ] No [ ]
7A.10a	7A.10b	1		2		3		4	7A.10c	7A.10d	7A.10e
	5		6		7		8			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]

and indicate the Part II, Section 6.2/7A page number in this box: [2] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052604

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]
6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	460	506	600	700
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	~~37700~~ 26894	~~43524~~ 30725	50000	60000
8.6	Quantity treated onsite	~~351600~~ 351633	~~390915~~ 390918	400000	450000
8.7	Quantity treated offsite	240	34	50	100
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			1.26	

Form R Transfers pg 4

7 Pg 6 of aspects

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)	Yes [ ] No [X]

*For Dioxin or Dioxin-like compounds, report in grams/year

Signature Certification for U.S. EPA Diskette Submission

DISK

SILTRONIC CORPORATION
7200 FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

August 23, 2006

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORPORATION

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 1 chemical report(s) for our facility.

These 1 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2004	7647-01-0	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAI@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00052606

Signature Certification for State Diskette Submission

DISK

SILTRONIC CORPORATION
7200 FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

August 23, 2006

Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760
(503) 378-1540, ext. 238
Fax: (503) 373-1825

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORPORATION

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 1 chemical report(s) for our facility.

These 1 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2004	7647-01-0	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAI@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

NEIL J. NELSON
PRESIDENT

Enclosure: Diskette

SCOEPA00052607

REQUEST FOR REVISION

August 23, 2006

Mariana Ruiz-Temple
Oregon Community Right-To-Know Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760
Attention: TRI Revision Request

To whom it may concern:

Siltronic Corporation 97210WCKS7200N is requesting a revision for the following submission filed under EPCRA Section 313 from EPA's database (i.e. the Toxics Release Inventory System (TRIS)).

Chemical name reported: Hydrochloric acid (1995 and after "Acid Aerosols" only)
CAS Number/Category Code: 7647-01-0
Report Type: Form R
Reporting year: 2003

Reason(s) for Revision: After review of the data for the TRI 2005 report it was put forward that the hydrogen chloride in the gas cylinders, because of the pressure in the cylinders, was in the form of a liquid with a very small amount of gas at the top of the cylinder. After contact with Brook Madrone, TRI program manager, (206) 553-4016, she informed us that the HCl liquid in the cylinders was not to be counted, only the aerosol form of the HCl.

We then contacted Walter Preller, BOC Edwards EM Gas Engineer, (503) 551-9293 which gave us the correct formulas for determining the amount of vapor within the cylinders. After the calculations were completed it was determined that we have been over reporting the amount of onsite aerosol HCl, for the last few years, because it was really a liquid and not an aerosol. In this revision, the maximum amount of toxic chemical onsite (HCl aerosol) at any time of the calendar year has been reduced to reflect the TRI program agency decision. Additionally, the quantity recycled offsite has also been adjusted to reflect the corrected calculations.

The technical contact is: Koreen Lail and may be reached at (503) 219-7994.

Thank you.

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW front Ave.
Portland, OR 97210
Phone 503-219-7994
koreen.lail@siltronic.com

Signature Certification for State Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

August 16, 2006

ATTN: Marianan Ruiz-Temple
Oregon Community Right-To-Know-Unit
HazMat Information Manager
4760 Portland Road, Northeast
Salem, OR 97305-1760

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 1 chemical report(s) for our facility.

These 1 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

SCOEPA00052609

REQUEST FOR REVISION

August 23, 2006

TRI Data Processing Center
P.O. Box 1513
Lanham, MD 20703-1513
Attention: TRI Revision Request

To whom it may concern:

Siltronic Corporation 97210WCKS7200N is requesting a revision for the following submission filed under EPCRA Section 313 from EPA's database (i.e. the Toxics Release Inventory System (TRIS)).

Chemical name reported: Hydrochloric acid (1995 and after "Acid Aerosols" only)
CAS Number/Category Code: 7647-01-0
Report Type: Form R
Reporting year: 2003

Reason(s) for Revision: After review of the data for the TRI 2005 report it was put forward that the hydrogen chloride in the gas cylinders, because of the pressure in the cylinders, was in the form of a liquid with a very small amount of gas at the top of the cylinder. After contact with Brook Madrone, TRI program manager, (206) 553-4016, she informed us that the HCl liquid in the cylinders was not to be counted, only the aerosol form of the HCl.

We then contacted Walter Preller, BOC Edwards EM Gas Engineer, (503) 551-9293 which gave us the correct formulas for determining the amount of vapor within the cylinders. After the calculations were completed it was determined that we have been over reporting the amount of onsite aerosol HCl, for the last few years, because it was really a liquid and not an aerosol. In this revision, the maximum amount of toxic chemical onsite (HCl aerosol) at any time of the calendar year has been reduced to reflect the TRI program agency decision. Additionally, the quantity recycled offsite has also been adjusted to reflect the corrected calculations.

The technical contact is: Koreen Lail and may be reached at (503) 219-7994.

Thank you.

Koreen Lail
Environmental Engineer

Siltronic Corporation
7200 NW front Ave.
Portland, OR 97210
Phone 503-219-7994
koreen.lail@siltronic.com

(IMPORTANT: Type or print; read instructions before completing form)

Form Approved OMB Number:2070-0093
Approval Expires: 1/31/2006

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EPA FORM R

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" only)

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: X

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2003

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
☐ Yes (Answer question 2.2; Attach substantiation forms) ☒ NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy ☐ Sanitized ☐ Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
Neil J. Nelson President		08/25/2006

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	NA
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. ☒ An entire facility b. ☐ Part of a facility c. ☐ A Federal facility d. ☐ GOCO

4.3	Technical Contact Name: KOREEN LAIL	Telephone Number (include area code): (503) 219-7994
	Email Address: koreen.lail@siltronic.com	
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA ☒	
5.2	Parent Company's Dun & Bradstreet Number	NA ☒	

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EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97[illegible]KR[illegible]7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 1. TOXIC CHEMICAL IDENTITY

(Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.) 7647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.) Hydrochloric acid (1995 and after "Acid Aerosols" only)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.) NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
NA ☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY

(Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.) NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY

(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. [X] Produce b. [ ] Import		
If produce or import:	a. [ ] As a reactant	a. [ ] As a chemical processing aid
c. [ ] For on-site use/processing	b. [ ] As a formulation component	b. [ ] As a manufacturing aid
d. [ ] For sale/distribution	c. [ ] As an article component	c. [X] Ancillary or other use
e. [X] As a byproduct	d. [ ] Repackaging	
f. [ ] As an impurity	e. [ ] As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	02	(Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	390	O	
5.2	Stack or point air emissions	NA ☐	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐
and indicate the Part II, Section 5.3 page number in this box. ☐ **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

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EPA FORM R

TRI Facility ID Number: 97210VCKRS7200N

Toxic Chemical, Category, or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols"

PART II. CHEMICAL- SPECIFIC INFORMATION (CONTINUED)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] and indicate the Part II, Section 6.1 page number in this box [ ] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052613

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EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number: 76071NKRS7200N

Toxic Chemical, Category, or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols")

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 21988	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.): TXP490295001

Off-Site location Name: GEM MICROELECTRONIC MATERIALS

Off-site Address: 100 US HIGHWAY 287 NORTH

City	State	County	Zip	Country (Non-US)
MANSFIELD	TX	TARRANT	76063	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 16	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1	P09	2	C11				7A.2c	7A.2d	7A.2e
W	3 P12	4	NA	5					02	100 %	Yes [X] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]

and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052614

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EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.) PAD987283207

Off-Site location Name: AIR LIQUIDE AMERICAN CORP.

Off-site Address: 19 STEEL ROAD WEST

City	MORRISVILLE	State	PA	County	BUCKS	Zip	190673698	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 4667	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]					c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2		7A.6c	7A.6d	7A.6e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.7a	7A.7b	1		2		7A.7c	7A.7d	7A.7e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.8a	7A.8b	1		2		7A.8c	7A.8d	7A.8e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.9a	7A.9b	1		2		7A.9c	7A.9d	7A.9e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				
7A.10a	7A.10b	1		2		7A.10c	7A.10d	7A.10e
	3	4		5			%	Yes [ ] No [ ]
	6	7		8				

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

EPA Form 9350-1 (Rev. 2/2004) - Previous editions are obsolete.

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

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EPA FORM R

PART II. CHEMICAL SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number: 97210WKRS7200N

Toxic Chemical, Category, or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 4 Off-Site EPA Identification Number (RCRA ID No.): ORQ000009423

Off-Site location Name: KANTO CORPORATION

Off-site Address: 13424 N WOODRUSH WAY

City: PORTLAND | State: OR | County: MULTNOMAH | Zip: 97203 | Country (Non-US):

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 220	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.11a	7A.11b: 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ] 7 [ ] 8 [ ]	7A.11c	7A.11d %	7A.11e Yes [ ] No [ ]
7A.12a	7A.12b: 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ] 7 [ ] 8 [ ]	7A.12c	7A.12d %	7A.12e Yes [ ] No [ ]
7A.13a	7A.13b: 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ] 7 [ ] 8 [ ]	7A.13c	7A.13d %	7A.13e Yes [ ] No [ ]
7A.14a	7A.14b: 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ] 7 [ ] 8 [ ]	7A.14c	7A.14d %	7A.14e Yes [ ] No [ ]
7A.15a	7A.15b: 1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ] 6 [ ] 7 [ ] 8 [ ]	7A.15c	7A.15d %	7A.15e Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]

and indicate the Part II, Section 6.2/7A page number in this box: [3] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052616

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EPA FORM R

PART II. CHEMICAL SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number: 07[illegible]KR5720[illegible]

Toxic Chemical, Category, or Generic Name: Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	432	461	500	550
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	25453	26894	45000	50000
8.6	Quantity treated onsite	324745	351633	400000	450000
8.7	Quantity treated offsite	161	240	300	500
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with productionprocesses (pounds/year)	NA			
8.9	Production ratio or activity index	0.99			

8.10	Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.			
	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.
8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)			Yes [ ] No [X]

*For Dioxin or Dioxin-like compounds, report in grams/year

TRI-ME Chemical Validation Results

Facility: **SILTRONIC CORP.**

Chemical: **Hydrochloric acid (1995 and after "Acid Aerosols" only)**

TRI-ME checks for and displays two types of errors:

- **Critical errors** must be corrected before you prepare a submission. Critical errors usually result from missing or inconsistent data.
- **Possible errors** identify potential problems that EPA recommends you review (and remedy if appropriate) before you prepare a submission. Possible errors do not prevent TRI-ME from preparing a submission. If you determine that a possible error is not the result of incorrect or inconsistent data, disregard it.

Each error displayed includes the Form Section, Error Number, and Error Description. The Form Section provides the Part and Section of the Form R/A where the problem lies. If the problem is due to inconsistency between two or more sections of the Form R, then the word *Multiple* is used. The Error Number can be used if the user needs to contact *TRI-ME* software support regarding the error. The Error Description explains the cause of the particular error and how to fix it.

Critical Errors Found: 0

Possible Errors Found: 1

Possible Error #202 (Part I Section 1): You have checked the revision box. Please note that you may only check the revision box if you previously submitted a Form R or Form A Certification Statement for this exact same chemical for this reporting year.

Created using TRI-ME RY2003 4.4.13

8/16/2006 2:38:55 PM

SCOEPA00052618

Signature Certification for U.S. EPA Diskette Submission

SILTRONIC CORP.
7200 NW FRONT AVENUE
PORTLAND, OR 972103676
97210WCKRS7200N

August 16, 2006

TRI Data Processing Center
c/o Computer Sciences Corportation
Suite 300
8400 Corporate Drive
Landover, MD 20785

(301) 429-5005

To Whom It May Concern:

Enclosed please find one (1) microcomputer diskette containing toxic chemical release reporting information for:

SILTRONIC CORP.

This information is submitted as required under section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and the Pollution Prevention Act of 1990.

We are submitting a total of 1 chemical report(s) for our facility.
These 1 chemical report(s) are described below:

TRI Chemical or Chemical Category	Reporting Year	CAS Number	Report
Hydrochloric acid (1995 and after "Acid Aerosols" only)	2003	7647-01-0	Form R

Our technical point of contact is:

KOREEN LAIL
(503) 219-7994
KOREEN.LAIL@SILTRONIC.COM

and is available should any questions or problems arise in the processing of this diskette.

If the enclosed diskette contains one or more Form R chemicals, then I hereby certify that I have reviewed the enclosed documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report(s) are accurate based on reasonable estimates using data available to the preparers of this report(s).

If the enclosed diskette contains one or more Form A chemicals, then I hereby certify that to the best of my knowledge and belief, for each toxic chemical listed in the Form A statement, the annual reportable amount as defined in 40 CFR 372.27(a) did not exceed 500 pounds for this reporting year and that the chemical was manufactured, processed or otherwise used in an amount not exceeding 1 million pounds during the reporting year.

Sincerely,

SCOEPA00052619

EPA

United States Environmental Protection Agency

FORM R

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" only)

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lanham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: X

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2003

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
☐ Yes (Answer question 2.2; Attach substantiation forms) ☒ NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy ☐ Sanitized ☐ Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
Neil J. Nelson PRESIDENT		06/18/2004

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	NA
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. ☒ An entire facility b. ☐ Part of a facility c. ☐ A Federal facility d. ☐ GOCO

4.3	Technical Contact Name	JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
	Email Address	jim.claxton@siltronic.com	
4.4	Public Contact Name	TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)	Primary	b.	c.	d.	e.	f.
	a. 3674					

4.6	Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
		45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	**4.8** EPA Identification Number (RCRA I.D. No.) (12 characters)	**4.9** Facility NPDES Permit Number(s) (9 characters)	**4.10** Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA ☒	
5.2	Parent Company's Dun & Bradstreet Number	NA ☒	

SCOEPA00052620

EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" o

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1	CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
	7647-01-0
1.2	Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
	Hydrochloric acid (1995 and after "Acid Aerosols" only)
1.3	Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
	NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
☐																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1	Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
	NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:	3.2 Process the toxic chemical:	3.3 Otherwise use the toxic chemical:
a. ☒ Produce b. ☐ Import		
If produce or import:	a. ☐ As a reactant	a. ☐ As a chemical processing aid
c. ☐ For on-site use/processing	b. ☐ As a formulation component	b. ☐ As a manufacturing aid
d. ☐ For sale/distribution	c. ☐ As an article component	c. ☒ Ancillary or other use
e. ☒ As a byproduct	d. ☐ Repackaging	
f. ☐ As an impurity	e. ☐ As an impurity	

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1	~~04~~ 02 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA ☐	390	O	
5.2	Stack or point air emissions	NA ☐	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	NA
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box ☐ and indicate the Part II, Section 5.3 page number in this box. ☐ (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052621

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" o

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3A	RCRA Subtitle C Surface Impoundments	X		
5.5.3B	Other surface impoundments	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052622

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~31100~~ 21988	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) TXP490295001

Off-Site location Name	GEM MICROELECTRONIC MATERIALS, LLS
Off-site Address	100 US HIGHWAY 287 NORTH

City	MANSFIELD	State	TX	County	TARRANT	Zip	76063	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 16	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
SC/WDR A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1	P09	2	C11				7A.2c	7A.2d	7A.2e
W	3 P12	4	NA	5					02	100 %	Yes [X] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.) PAD987283207

Off-Site location Name: AIR LIQUIDE AMERICAN CORP.

Off-site Address: 19 STEEL ROAD WEST

City	State	County	Zip	Country (Non-US)
MORRISVILLE	PA	BUCKS	190673698	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~5000~~ 4667	1. M	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]	c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b 1: 2: 3: 4: 5: 6: 7: 8:	7A.6c	7A.6d %	7A.6e Yes [ ] No [ ]
7A.7a	7A.7b 1: 2: 3: 4: 5: 6: 7: 8:	7A.7c	7A.7d %	7A.7e Yes [ ] No [ ]
7A.8a	7A.8b 1: 2: 3: 4: 5: 6: 7: 8:	7A.8c	7A.8d %	7A.8e Yes [ ] No [ ]
7A.9a	7A.9b 1: 2: 3: 4: 5: 6: 7: 8:	7A.9c	7A.9d %	7A.9e Yes [ ] No [ ]
7A.10a	7A.10b 1: 2: 3: 4: 5: 6: 7: 8:	7A.10c	7A.10d %	7A.10e Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]
and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052624

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 4 Off-Site EPA Identification Number (RCRA ID No.) ORQ000009423

Off-Site location Name: Kanto Corporation

Off-site Address: 13424 N Woodrush Way

City	Portland	State	OR	County	Multnomah	Zip	97203	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 220	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]							c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.11a	7A.11b	1		2				7A.11c	7A.11d	7A.11e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						
7A.12a	7A.12b	1		2				7A.12c	7A.12d	7A.12e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						
7A.13a	7A.13b	1		2				7A.13c	7A.13d	7A.13e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						
7A.14a	7A.14b	1		2				7A.14c	7A.14d	7A.14e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						
7A.15a	7A.15b	1		2				7A.15c	7A.15d	7A.15e
	3	4		5					%	Yes [ ] No [ ]
	6	7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [3]

and Indicate the Part II, Section 6.2/7A page number in this box: [3] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052625

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols" o

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1					
8.1a	Total on-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1b	Total other on-site disposal or other releases	432	~~460~~ 461	500	550
8.1c	Total off-site disposal to Class I Underground Injection Wells, RCRA Subtitle C landfills, and other landfills	NA	NA	NA	NA
8.1d	Total other off-site disposal or other releases	NA	NA	NA	NA
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA ~~25453~~	NA	NA	NA
8.5	Quantity recycled offsite	~~17916~~ ~~25272~~	~~37700~~ 26894	45000	50000
8.6	Quantity treated onsite	~~342662~~ 324745	~~351600~~ 351633	400000	450000
8.7	Quantity treated offsite	161	240	300	500
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with productionprocesses (pounds/year)			NA	
8.9	Production ratio or activity index			0.99	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11	Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)	Yes [ ]	No [X]

*For Dioxin or Dioxin-like compounds, report in grams/year

SCOEPA00052626

2003

Hydrochloric Acid Aerosols (7647-01-0)

Only the aerosol forms of HCl are reportable. This includes:

HCl(g) used for cleaning wafers in Epitaxy (otherwise use)
HCl vapor/mist from the acid baths to the acid scrubbers (manufacture)
HCl vapor/mist from UPW system regeneration process (manufacture)
HCl(g) generated from the reaction of trichlorosilane and hydrogen gas (manufacture)

Annual Usage Aqueous HCl

Aspect	Material No	Use	UOM	lbs/Unit	Total	%	lbs as HCl
Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	646079	30000	LBS	1	30,000.00	32	9,600
Hydrochloric Acid, Semi Grade 37% Drum	5407352	29	DR	550.44	15,962.76	37	5,906
Hydrochloric Acid 37% ppb grade (6.5# BTL)	5407359	242	PC	6.5	1,573.00	37	582
Hydrochloric Acid 35-37%	5510631	145	DR	550.44	79,813.80	37	29,531
					127,349.56		
					lbs HCl from aqueous HCl		**45,619**

Annual HCl Aerosol Manufactured

HCl aerosol is manufactured by the EPI process using Trichlorosilane. Each mole of $HSiCl_3$ generates 3 moles of HCl. HCl aerosol is also generated from the natural de-gasing of aqueous HCl. The best estimate is that about 1% of the HCl from aqueous HCl is converted to aerosol.

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl aerosol	lbs as HCl aerosol
5407449	Trichlorosilane Grade 5	550.00	452	CYL	248,600.00	80.753	200,752
10346	TRANS LC	4.16	12	BTL	49.88	75.22	38
10199	TRANS LC	2.77	15	BTL	41.57	75.22	31
				lbs of aqueous HCl	**45,619**	1	456

The reportable quantity of hydrochloric acid aerosol manufactured in 2003 is: **201,277**

This is above the TRI manufacture threshold of 25,000 pounds.

Annual HCl Aerosol Used

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl	lbs as HCl
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.00	2596	CYL	155,760.00	100	155,760
5515177	HCL high purity in cylinders 60lb HCl/cyl (Air Liq)	60.00	551	CYL	33,060.00	100	33,060

The reportable quantity of hydrochloric acid aerosol otherwise used in 2003 is: **188,820**

This is well above the TRI otherwise use threshold of 10,000 pounds.

Total lbs of HCl Aerosol mfged & used **390,097**

SCOEPA00052628

Section 4 Maximum Amount of HCl Aerosol On-Site

The maximum mount of HCl aerosol is based on the aerosol generated from aqueous HCl storage tanks, HCl gas cylinders and the HCl generated by EPI reaction.

Bulk Storage Tanks of Aqueous HCl

Location	% HCl (wt/wt)	Sp. Gr	Tank	Units	lbs as HCl
Fab 1 HCl (RODI)	37.0	1.20	200	gal	741
Fab 2 HCl (UPW)	32.0	1.18	5000	gal	15,755

Aspect	Material No	In Use	Storage	UOM	lbs/Unit	Total	% HCl (wt/wt)	lbs as HCl
Hydrochloric Acid, Semi Grade 37% Drum	5407352	2	4	DR	550.440002	3,302.64	37	1,222
Hydrochloric Acid 37% ppb grade (6.5# BTL)	5407359	10	36	PC	6.5	299.00	37	111
Hydrochloric Acid 35-37%	5510631	11	12	DR	550.440002	12,660.12	37	4,684

Total lbs HCl 22,513

Assuming that each pound of aqueous HCl generates 0.1 lbs of HCl aerosol **lbs of HCl aerosol 2,251**

Vopak: sp gr 32%HCl is 1.18

Number of HCl cylinders in use (Larry Oakly) & storage (from SAP)

Material Number	Material Name	lbs/ctn	max in use	max in storage	UOM	lbs	% as HCl aerosol	lbs as HCl aerosol
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.00	64	100	CYL	~~9,840~~	~~2.24~~ ~~100~~	9,840 367 lbs
5515177	HCL high purity in cylinders 60lb HCl/cyl (Air Liq)	60.00	16	30	CYL	~~2,760~~	~~2.24~~ ~~100~~	2,760 103 lbs
						lbs of HCl aerosol		~~12,600~~ 470 lbs total

Maximum number of trichlorosilanel cylinders in use & in storage

1 cylinder is in process in each Fab reacting and exhausting to the air handling system at a time.

Material Number	Material Name	lbs/ctn	max used	max in storage	Ctn	lbs	% as HCl aerosol	lbs as HCl aerosol
5407449	Trichlorosilane Grade 5	550.00	2	9	CYL	6,050.00	~~80.753~~ Ø	~~4,886~~ Ø

Not HCL unless it is released. While in cyl it is Trichlorosilane

Max lbs HCl (aerosol) on site ~~19,737~~ 2721

The amount of HCl(aerosol) manufactured from HCl(aq) in the air handling and scrubbing systems is not included in this estimate. The concentrations are low, the air flows very high, and the total quantity of HCl(aerosol) will be low compared to what is in cylinders

164 cyl × 2.24 lbs (20% Dead vapor in full cyl) = 367 lbs in cyl. on site

46 cyl × 2.24 lbs (20% Dead vapor in full cyl) = 103 lbs in cyl. on site

Section 5 Quantity of Toxic Chemical entering each Environmental Medium onsite

5.1 Fugitive

Fugitive emissions include (1) equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, etc.; (2) evaporative losses from surface impoundment's (or open top tanks) and spills; (3) releases from building ventilation systems; and (4) any other fugitive or non-point air emissions (see page 31 of EPA 745-K-99-001). We use an engineering estimate that **0.1% of each acid used will be released as fugitive emissions. Fugitive emissions are calculated by multiplying the reportable annual quantity of each acid by 0.001.**

		%Fugitive Emissions	
total lbs of aerosol generated annually	390,097	0.1	**390**

5.2 Stack Emissions

HCl air emission testing 3/31-5/9/03, lbs HCl/ emission from scrubbers & general exhaust	**71**

Discharges to Streams and Water Bodies (Section 5.3)

Per EPA guidance, "For purposes of reporting on Form R, EPA considers a waste mineral acid at a pH 6 or higher to be 100 percent neutralized Wacker's NPDES permit limits for pH are 6.0 and 9.0. Therefore zero HCl aerosol discharged to streams and water bodies.

SCOEPA00052630

37,700 lbs originally reported
− 26,655 lbs corrected report
11,045 lbs over-reported

Transfers to Other Off-site Locations (Section 6)

Section 6.1 Transfers to the POTW

Zero. Most HCl drains and scrubbers discharge to the CAD or WAD and go to the NPDES system. Some systems containing HCl discharge to the OWW, but are neutralized to a pH of greater than 6.

Section 6.2 Transfers to the Off-Site Locations

Each cylinder of HCl(g) is estimated to have a residual heel of ~10%. This residual heel is returned to the supplier to be reused to make other grades of HCl.

BOC Gases 1122 North 52nd Street Pheonix, AZ 85008, RCRA ID AZD043840479

8.47 lbs in 20% heel vapor

Material Number	Material Name	lbs as HCl	20 % Heel shipped off-site	
5407448	HCL high purity in cylinders 60lb HCl/cyl (BOC)	155,760	**31,152**	2596 cyl x 8.47 lbs = 21988 lbs vapor

Air Liquide American Corp. 19 Steel Road West Morrisville, PA 19067-3698 PAD 987283207

Material Number	Material Name	lbs as HCl	20 % Heel shipped off-site	
5515177	HCl Gr 5 EPI 200# CYL (air liquide)	33,060	**6,612**	551 cyl x 8.47 lbs = 4667 lbs. vapor

21988 lbs
+ 4667 lbs
26655 lbs

lbs HCl aerosol shipped off-site in cylinders ~~37,764~~ 26655

An acid scrubber is used to treat the HCl heels (A03). Use M69, "other treatment" if the software will not accept A03.

liq remaining in cyl returned to vendor 3147 X 3.53 lb HCl left in cyl = 11,109 lbs.

Gem Microelectronic Materials 100 US Highway 287 North, Mansfield, TX, Tarrant 76063 TXP490295001

Aspect	Material No	Use	UOM	lbs/Unit	Total	% residue	lbs as 37% HCl returned	lbs aerosol per lb 37% HCl	lbs of aerosol returned
Hydrochloric Acid 35-37%	5510631	9	DR	550.44	4,953.96	3.28	162	0.1	**16**
				lbs as HCl = lbs of 37%HCl x .37			60		
Kanto Corporation									
lbs HCl from aqueous HCl	0	136	DR	500.00	68,000.00	3.28	2,230	0.1	**223**
				lbs as HCl = lbs of 37%HCl x .37			825		

These drums are returned to vendor without rinsing. % residue is drums is 3.28

Assume that 0.1 lbs of aerosol generated for each lb of HCl 37% residual in drums because of large empty volume in drums

Total aerosol shipped off site ~~38,003~~ 26894

On-Site Waste Treatment Methods & Efficiency (Section 7)

Section 7A

	Qty released
Fugitive emissions	390
Stack Emissions	71
Qty released lbs	**461** 8.1

	Qty Treated Off-site
BOC	~~31,152~~ 21,988 shipped offsite vapor 7 8.5, 6.2
Air Liquide	~~6,012~~ 4667 Shipped offsite vapor
Gem Microelectronic	16
Kanto	223
Total Off-site	~~38,003~~ 26894 total offsite

Total used **390,097**

Qty treated on site **351,633** 8.6

26894 total offsite
461 emissions
27355 offsite/emissions

390,097 total used
− 27355 offsite/emissions
362742 total onsite

362,742 total onsite
− 11 109 (HCl Liq shipped Back)
351,633 Quantity treated onsite 8.6

EPA
United States Environmental Protection Agency

FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. TRI Data Processing Center, P.O.Box 1513, Lantham, MD 20703-1513 2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: X

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2002

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
☐ Yes (Answer question 2.2; Attach substantiation forms) ☒ NO (Do not answer 2.2; Go to Section 3)

2.2 Is this copy ☐ Sanitized ☐ Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data availble to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/19/2003

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address (if different from street address)
WACKER SILTRONIC CORP.	
Street: 7200 NW FRONT AVENUE	Mailing Addres: NA
City/County/State/Zip Code: PORTLAND MULTNOMAH OR 97210-3676	City/State/Zip Code: Country (Non-US):

4.2 This report contains information for: (Important: check a or b; check c or d if applicable) a. ☒ An entire facility b. ☐ Part of a facility c. ☐ A Federal facility d. ☐ GOCO

4.3 Technical Contact Name: JAMES CLAXTON — Telephone Number (include area code): (503) 219-7313
Email Address: JIM_CLAXTON@WACKER.COM

4.4 Public Contact Name: TOM FAHEY — Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6 Latitude / Longitude

Latitude Degrees	Latitude Minutes	Latitude Seconds	Longitude Degrees	Longitude Minutes	Longitude Seconds
45	34	36	122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0030589	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA ☒	
5.2	Parent Company's Dun & Bradstreet Number	NA ☒	

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EPA FORM R
PART II. CHEMICAL - SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7647-01-0

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
Hydrochloric acid (1995 and after "Acid Aerosols" only)

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "Yes". Generic Name must be structurally descriptive.)
NA

1.4 **Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.**
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
[ ]																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 02 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

		A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions [NA ☐]	361	O	
5.2	Stack or point air emissions [NA ☐]	71	M	
5.3	Discharges to receiving streams or water bodies (enter one name per box)			
	Stream or Water Body Name			
5.3.1	WILLAMETTE RIVER	0	M	NA
5.3.2				
5.3.3				

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [ ]
and indicate the Part II, Section 5.3 page number in this box. [ ] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

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EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X		
5.4.2	Underground Injection onsite to Class II-V Wells	X		
5.5	Disposal to land onsite			
5.5.1.A	RCRA Subtitle C landfills	X		
5.5.1.B	Other landfills	X		
5.5.2	Land treatment/application farming	X		
5.5.3	Surface Impoundment	X		
5.5.4	Other disposal	X		

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B. 1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204
6.1.B. POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [ ] **and indicate the Part II, Section 6.1 page number in this box** [ ] **(example: 1,2,3, etc.)**

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2. 1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479
Off-Site Location Name	BOC GASES
Off-site Address	1122 NORTH 52ND STREET

City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052635

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~14894~~ 20320	1. O	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 2 Off-Site EPA Identification Number (RCRA ID No.) TXP490295001

Off-Site location Name	GEM MICROELECTRONIC MATERIALS, LLS
Off-site Address	100 US HIGHWAY 287 NORTH

City	MANSFIELD	State	TX	County	TARRANT	Zip	76063	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. 161	1. O	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	P09				7A.1c	7A.1d	7A.1e
A	3 C11	4	P12	5	NA				01	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1	P09	2	C11				7A.2c	7A.2d	7A.2e
W	3 P12	4	NA	5					02	100 %	Yes [X] No [ ]
	6	7		8							
7A.3a	7A.3b	1		2					7A.3c	7A.3d	7A.3e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box: [1] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

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EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2. 3 Off-Site EPA Identification Number (RCRA ID No.)	PAD987283207							
Off-Site location Name	AIR LIQUIDE AMERICAN CORP.							
Off-site Address	19 STEEL ROAD WEST							
City	MORRISVILLE	State	PA	County	BUCKS	Zip	190673698	Country (Non-US)

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~3522~~ 4972	1. O	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ONSITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2					7A.6c	7A.6d	7A.6e
	3		4		5					%	Yes [ ] No [ ]
	6		7		8						
7A.7a	7A.7b	1		2					7A.7c	7A.7d	7A.7e
	3		4		5					%	Yes [ ] No [ ]
	6		7		8						
7A.8a	7A.8b	1		2					7A.8c	7A.8d	7A.8e
	3		4		5					%	Yes [ ] No [ ]
	6		7		8						
7A.9a	7A.9b	1		2					7A.9c	7A.9d	7A.9e
	3		4		5					%	Yes [ ] No [ ]
	6		7		8						
7A.10a	7A.10b	1		2					7A.10c	7A.10d	7A.10e
	3		4		5					%	Yes [ ] No [ ]
	6		7		8						

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]

and indicate the Part II, Section 6.2/7A page number in this box: [2] **(example: 1,2,3, etc.)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1- 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052637

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category, or Generic Name
Hydrochloric acid (1995 and after "Acid Aerosols"

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ]

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recyling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1 [ ] 2 [ ] 3 [ ] 4 [ ] 5 [ ]

6 [ ] 7 [ ] 8 [ ] 9 [ ] 10 [ ]

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	3700	432	500	600
8.2	Quantity used for energy recovery onsite	NA	NA	NA	NA
8.3	Quantity used for energy recovery offsite	NA	NA	NA	NA
8.4	Quantity recycled onsite	NA	NA	NA	NA
8.5	Quantity recycled offsite	~~18200~~ 25647	~~17916~~ 25453	20000	22000
8.6	Quantity treated onsite	~~349300~~ 331153	~~342662~~ 324745	420000	500000
8.7	Quantity treated offsite	NA	161	200	250
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			NA	
8.9	Production ratio or activity index			0.60	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	NA	a.	b.	c.
8.10.2		a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one Box)

Yes [ ] No [X]

EPA Form 9350-1 (Rev. 03/2003) - Previous editions are obsolete.

*For Dioxin or Dioxin-like compounds, report in grams/year

***Report releases pursuant to EPCRA Section 329 (8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

TRI-ME Chemical Validation Results

Facility: **SILTRONIC CORP.**

Chemical: **Hydrochloric acid (1995 and after "Acid Aerosols" only)**

TRI-ME checks for and displays two types of errors:

- **Critical errors** must be corrected before you prepare a submission. Critical errors usually result from missing or inconsistent data.
- **Possible errors** identify potential problems that EPA recommends you review (and remedy if appropriate) before you prepare a submission. Possible errors do not prevent TRI-ME from preparing a submission. If you determine that a possible error is not the result of incorrect or inconsistent data, disregard it.

Each error displayed includes the Form Section, Error Number, and Error Description. The Form Section provides the Part and Section of the Form R/A where the problem lies. If the problem is due to inconsistency between two or more sections of the Form R, then the word *Multiple* is used. The Error Number can be used if the user needs to contact *TRI-ME* software support regarding the error. The Error Description explains the cause of the particular error and how to fix it.

Critical Errors Found: 0

Possible Errors Found: 1

Possible Error #202 (Part I Section 1): You have checked the revision box. Please note that you may only check the revision box if you previously submitted a Form R or Form A for this exact same chemical for this reporting year.

Created using TRI-ME RY2002 3.8.28

SCOEPA00052639

2002

Hydrochloric Acid Aerosols (7647-01-0)

Only the aerosol forms of HCl are reportable. This includes:

HCl(g) used for cleaning wafers in Epitaxy (otherwise use)
HCl vapor/mist from the acid baths to the acid scrubbers (manufacture)
HCl vapor/mist from UPW system regeneration process (manufacture)
HCl(g) generated from the reaction of trichlorosilane and hydrogen gas (manufacture)

Annual Usage Aqueous HCl

Aspect	Material No	Use	UOM	lbs/Unit	Total	%	lbs as HCl
Iron Standard 100 ppm as Fe	10227	1	BTL	0.2183	0.22	1	0
Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	646079	24830	LBS	1	24,830.00	32	7,946
Hydrochloric Acid, Semi Grade 37% Drum	5407352	43	DR	550.44	23,668.92	37	8,758
Hydrochloric Acid 37% ppb grade (6.5# BTL)	5407359	356	PC	6.5	2,314.00	37	856
Hydrochloric Acid 35-37%	5510631	89	DR	550.44	48,989.16	37	18,126
					99,802.30		
					lbs HCl from aqueous HCl		**35,685**

Annual HCl Aerosol Manufactured

HCl aerosol is manufactured by the EPI process using Trichlorosilane. Each mole of $HSiCl_3$ generates 3 moles of HCl. HCl aerosol is also generated from the natural de-gasing of aqueous HCl. The best estimate is that about 1% of the HCl from aqueous HCl is converted to aerosol.

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl aerosol	lbs as HCl aerosol
5407449	Trichlorosilane Grade 5	550.00	409	CYL	224,950.00	80.753	181,654
				lbs of aqueous HCl	35,685	1	357

The reportable quantity of hydrochloric acid aerosol manufactured in 2002 is: **182,011**

This is above the TRI manufacture threshold of 25,000 pounds.

Annual HCl Aerosol Used

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl	lbs as HCl
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.00	2399	CYL	143,940.00	100	143,940
5515177	HCL high purity in cylinders 60lb HCl/cyl (Air Liq)	60.00	587	CYL	35,220.00	100	35,220

The reportable quantity of hydrochloric acid aerosol otherwise used in 2002 is: **179,160**

This is well above the TRI otherwise use threshold of 10,000 pounds.

Total lbs of HCl Aerosol mfged & used **361,171**

SCOEPA00052641

Section 4 Maximum Amount of HCl Aerosol On-Site

The maximum mount of HCl aerosol is based on the aerosol generated from aqueous HCl storage tanks, HCl gas cylinders and the HCl generated by EPI reaction.

Bulk Storage Tanks of Aqueous HCl

Location	% HCl (wt/wt)	Sp. Gr	Tank	Units	lbs as HCl
Fab 1 HCl (RODI)	37.0	1.20	200	gal	741
Fab 2 HCl (UPW)	32.0	1.18	5000	gal	15,755

Aspect	Material No	In Use	Storage	UOM	lbs/Unit	Total	% HCl (wt/wt)	lbs as HCl
Iron Standard 100 ppm as Fe	10227	1	1	BTL	0.2183	0.44	1	0
Hydrochloric Acid, Semi Grade 37% Drum	5407352	2	4	DR	550.440002	3,302.64	37	1,222
Hydrochloric Acid 37% ppb grade (6.5# BTL)	5407359	10	36	PC	6.5	299.00	37	111
Hydrochloric Acid 35-37%	5510631	11	12	DR	550.440002	12,660.12	37	4,684

Total lbs HCl 22,513

Assuming that each pound of aqueous HCl generates 0.1 lbs of HCl aerosol **lbs of HCl aerosol 2,251**

Vopak: sp gr 32%HCl is 1.18

lbs HCl left / cyl

Number of HCl cylinders in use (Larry Oakly) & storage (from SAP)

Material Number	Material Name	lbs/ctn	max in use	max in storage	UOM	lbs	% as HCl aerosol	lbs as HCl aerosol
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.00	64	100	CYL	~~9,840~~	~~2.24~~ ~~100~~	~~9,840~~ 367 lbs
5515177	HCL high purity in cylinders 60lb HCl/cyl (Air Liq)	60.00	16	30	CYL	~~2,760~~	~~2.24~~ ~~100~~	~~2,760~~ 103 lbs
						lbs of HCl aerosol		~~12,600~~ 470 lbs TOTAL

Maximum number of trichlorosilanel cylinders in use & in storage

1 cylinder is in process in each Fab reacting and exhausting to the air handling system at a time.

Material Number	Material Name	lbs/ctn	max used	max in storage	Ctn	lbs	% as HCl aerosol	lbs as HCl aerosol
5407449	Trichlorosilane Grade 5	550.00	2	9	CYL	6,050.00	~~80.753~~ Ø	~~4,886~~ Ø

Not HCL unless it is released. While in cyl. it is Trichlorosilane **Max lbs HCl (aerosol) on site** ~~19,737~~ 2721

The amount of HCl(aerosol) manufactured from HCl(aq) in the air handling and scrubbing systems is not included in this estimate. The concentrations are low, the air flows very high, and the total quantity of HCl(aerosol) will be low compared to what is in cylinders

164 cyl x 2.24 lbs (20% heel vapor in full cyl) = 367 lbs in cyl. on site
46 cyl x 2.24 lbs (20% heel vapor in full cyl) = 103 lbs in cyl on site

Section 5 Quantity of Toxic Chemical entering each Environmental Medium onsite

5.1 Fugitive

Fugitive emissions include (1) equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, etc.; (2) evaporative losses from surface impoundment's (or open top tanks) and spills; (3) releases from building ventilation systems; and (4) any other fugitive or non-point air emissions (see page 31 of EPA 745-K-99-001). We use an engineering estimate that **0.1% of each acid used will be released as fugitive emissions. Fugitive emissions are calculated by multiplying the reportable annual quantity of each acid by 0.001.**

		%Fugitive Emissions	
total lbs of aerosol generated annually	361,171	0.1	**361**

5.2 Stack Emissions

HCl air emission testing 3/31-5/9/03, lbs HCl/ emission from scrubbers & general exhaust	**71**

Discharges to Streams and Water Bodies (Section 5.3)

Per EPA guidance, "For purposes of reporting on Form R, EPA considers a waste mineral acid at a pH 6 or higher to be 100 percent neutralized Wacker's NPDES permit limits for pH are 6.0 and 9.0. Therefore zero HCl aerosol discharged to streams and water bodies.

SCOEPA00052643

17,916 lbs. originally reported
25,292 lbs correction to report
(7,375) lbs under-reported

Transfers to Other Off-site Locations (Section 6)

Section 6.1 Transfers to the POTW

Zero. Most HCl drains and scrubbers discharge to the CAD or WAD and go to the NPDES system. Some systems containing HCl discharge to the OWW, but are neutralized to a pH of greater than 6.

The under-report was due to a miscalculation of heel vapor 10% versus the true value of 20%

Section 6.2 Transfers to the Off-Site Locations

Each cylinder of HCl(g) is estimated to have a residual heel of ~10%. This residual heel is returned to the supplier to be reused to make other grades of HCl.

BOC Gases 1122 North 52nd Street Pheonix, AZ 85008, RCRA ID AZD043840479

Material Number	Material Name	lbs as HCl	~~10 % Heel shipped off-site~~
5407448	HCL high purity in cylinders 60lb HCl/cyl (BOC)	143,940	~~14,394~~ 2399 cyl x 8.471bs = 20320 lbs vapor

8.471bs in 20% heel vapor

Air Liquide American Corp. 19 Steel Road West Morrisville, PA 19067-3698 PAD 987283207

Material Number	Material Name	lbs as HCl	10 % Heel shipped off-site
5515177	HCl Gr 5 EPI 200# CYL (air liquide)	35,220	~~3,522~~ 587 cyl x 8.471bs = 4972 lbs. vapor

20320 lbs
4972 lbs
25292 lbs

lbs HCl aerosol shipped off-site in cylinders ~~17,916~~ 25292

An acid scrubber is used to treat the HCl heels (A03). Use M69, "other treatment" if the software will not accept A03.

liquid remaining in cyl returned to vendor = 2986 cyl x 3.53lb HCl left in cyl = 10,541 lbs.

Gem Microelectronic Materials 100 US Highway 287 North, Mansfield, TX, Tarrant 76063 TXP490295001

Aspect	Material No	Use	UOM	lbs/Unit	Total	% residue	lbs as 37% HCl returned	lbs aerosol per lb 37% HCl	lbs of aerosol returned
Hydrochloric Acid 35-37%	5510631	89	DR	550.44	48,989.16	3.28	1,607	0.1	**161**
				lbs as HCl = lbs of 37%HCl x .37			595		

These drums are returned to vendor without rinsing. % residue is drums is 3.28

Assume that 0.1 lbs of aerosol generated for each lb of HCl 37% residual in drums because of large empty volume in drums

Total aerosol shipped off site ~~18,077~~ 25,453

On-Site Waste Treatment Methods & Efficiency (Section 7)

Section 7A

	Qty released
Fugitive emissions	361
Stack Emissions	71
Qty released lbs	432 8.1 line

Qty Treated Off-site

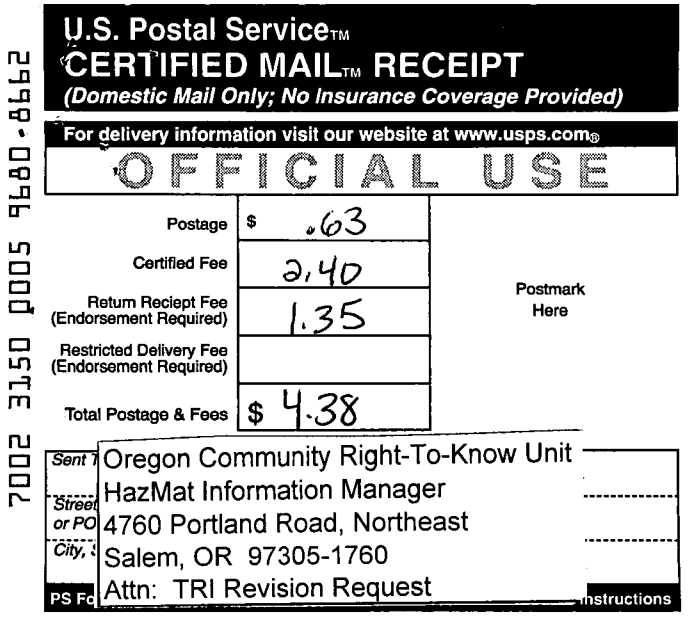
BOC	~~14,394~~ 20320 (25292) 8.5, 6.2 line
Air Liquide	~~3,522~~ 4972
Gem Microelectronic	161 8.7 line
Total Off-site	~~18,077~~ 25453

Total used	**361,171**
Qty treated on site	~~342,662~~ 324,745 line 8.6

25453 total offsite
+ 432 emmissions
25885 offsite/emmi

361171 total used
− 25885 offsite/emmi
335286 total onsite

335286 total onsite
− 10541 (HCL Liq Shipped Back)
324,745 total Qty treated onsite line 8.6



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7002 3150 0005 9680 8662

Sent To
Oregon Community Right-To-Know Unit
HazMat Information Manager
Street or PO
4760 Portland Road, Northeast
City, S
Salem, OR 97305-1760
Attn: TRI Revision Request

PS Fo ... nstructions

Certified Mail Provides:

- A mailing receipt
- A unique identifier for your mailpiece
- A record of delivery kept by the Postal Service for two years

PS Form 3800, June 2002 *(Reverse)*

Important Reminders:

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- Certified Mail is *not* available for any class of international mail.
- NO INSURANCE COVERAGE IS PROVIDED with Certified Mail. For valuables, please consider Insured or Registered Mail.
- For an additional fee, a *Return Receipt* may be requested to provide proof of delivery. To obtain Return Receipt service, please complete and attach a Return Receipt (PS Form 3811) to the article and add applicable postage to cover the fee. Endorse mailpiece "Return Receipt Requested". To receive a fee waiver for a duplicate return receipt, a USPS® postmark on your Certified Mail receipt is required.
- For an additional fee, delivery may be restricted to the addressee or addressee's authorized agent. Advise the clerk or mark the mailpiece with the endorsement *"Restricted Delivery"*.
- If a postmark on the Certified Mail receipt is desired, please present the article at the post office for postmarking. If a postmark on the Certified Mail receipt is not needed, detach and affix label with postage and mail.

IMPORTANT: Save this receipt and present it when making an inquiry. Internet access to delivery information is not available on mail addressed to APOs and FPOs.

SCOEPA00052647

EPA FORM R

TOXIC CHEMICAL RELEASE INVENTORY REPORTING FORM

United States Environmental Protection Agency

Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986, also known as Title III of the Superfund Amendments and Reauthorization Act

WHERE TO SEND COMPLETED FORMS: 1. EPCRA Reporting Center, P.O Box 3348, Merrifield, VA 22116-3348, ATTN: TOXIC CHEMICAL RELEASE INVENTORY
2. APPROPRIATE STATE OFFICE (See instructions in Appendix F)

Enter "X" here if this is a revision: X

For EPA use only

Important: See instructions to determine when "Not Applicable (NA)" boxes should be checked.

PART I. FACILITY IDENTIFICATION INFORMATION

SECTION 1. REPORTING YEAR 2001

SECTION 2. TRADE SECRET INFORMATION

2.1 Are you claiming the toxic chemical identified on page 2 trade secret?
[ ] Yes (Answer question 2.2; Attach substantiation forms) [X] No (Do not answer 2.2; Go to Section 3)

2.2 Is this copy [ ] Sanitized [ ] Unsanitized (Answer only if "YES" in 2.1)

SECTION 3. CERTIFICATION (Important: Read and sign after completing all form sections.)

I hereby certify that I have reviewed the attached documents and that, to the best of my knowledge and belief, the submitted information is true and complete and that the amounts and values in this report are accurate based on reasonable estimates using data available to the preparers of this report.

Name and official title of owner/operator or senior management official:	Signature:	Date Signed:
JAMES R. ELLIS PRESIDENT		06/24/2002

SECTION 4. FACILITY IDENTIFICATION

4.1 TRI Facility ID Number: 97210WCKRS7200N

Facility or Establishment Name	Facility or Establishment Name or Mailing Address(if different from street address)
WACKER SILTRONIC CORP.	
Street	**Mailing Address**
7200 NW FRONT AVENUE	
City/County/State/Zip Code	**City/State/Zip Code** / **Country (Non-US)**
PORTLAND MULTNOMAH OR 97210-3676	

4.2 This report contains information for: (Important : check a or b; check c or d if applicable) a. [X] An entire facility b. [ ] Part of a facility c. [ ] A Federal facility d. [ ] GOCO

4.3	Technical Contact Name: JAMES CLAXTON	Telephone Number (include area code): (503) 219-7313
4.4	Public Contact Name: TOM FAHEY	Telephone Number (include area code): (503) 219-7901

4.5 SIC Code (s) (4 digits)

Primary					
a. 3674	b.	c.	d.	e.	f.

4.6

Latitude	Degrees	Minutes	Seconds	Longitude	Degrees	Minutes	Seconds
	45	34	36		122	45	10

4.7 Dun & Bradstreet Number(s) (9 digits)	4.8 EPA Identification Number (RCRA I.D. No.) (12 characters)	4.9 Facility NPDES Permit Number(s) (9 characters)	4.10 Underground Injection Well Code (UIC) I.D. Number(s) (12 digits)
a. 096253737	a. ORD096253737	a. OR0101128	a. NA
b.	b.	b.	b.

SECTION 5. PARENT COMPANY INFORMATION

5.1	Name of Parent Company	NA [X]	
5.2	Parent Company's Dun & Bradstreet Number	NA [X]	

SCOEPA00052648

EPA FORM R
PART II. CHEMICAL-SPECIFIC INFORMATION

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 1. TOXIC CHEMICAL IDENTITY (Important: DO NOT complete this section if you completed Section 2 below.)

1.1 CAS Number (Important: Enter only one number exactly as it appears on the Section 313 list. Enter category code if reporting a chemical category.)
7647010

1.2 Toxic Chemical or Chemical Category Name (Important: Enter only one name exactly as it appears on the Section 313 list.)
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

1.3 Generic Chemical Name (Important: Complete only if Part 1, Section 2.1 is checked "yes". Generic Name must be structurally descriptive.)
NA

1.4 Distribution of Each Member of the Dioxin and Dioxin-like Compounds Category.
(If there are any numbers in boxes 1-17, then every field must be filled in with either 0 or some number between 0.01 and 100. Distribution should be reported in percentages and the total should equal 100%. If you do not have speciation data available, indicate NA.)

NA	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
X																	

SECTION 2. MIXTURE COMPONENT IDENTITY (Important: DO NOT complete this section if you completed Section 1 above.)

2.1 Generic Chemical Name Provided by Supplier (Important: Maximum of 70 characters, including numbers, letters, spaces, and punctuation.)
NA

SECTION 3. ACTIVITIES AND USES OF THE TOXIC CHEMICAL AT THE FACILITY
(Important: Check all that apply.)

3.1 Manufacture the toxic chemical:
- a. [X] Produce b. [ ] Import

If produce or import:
- c. [ ] For on-site use/processing
- d. [ ] For sale/distribution
- e. [X] As a byproduct
- f. [ ] As an impurity

3.2 Process the toxic chemical:
- a. [ ] As a reactant
- b. [ ] As a formulation component
- c. [ ] As an article component
- d. [ ] Repackaging
- e. [ ] As an impurity

3.3 Otherwise use the toxic chemical:
- a. [ ] As a chemical processing aid
- b. [ ] As a manufacturing aid
- c. [X] Ancillary or other use

SECTION 4. MAXIMUM AMOUNT OF THE TOXIC CHEMICAL ONSITE AT ANY TIME DURING THE CALENDAR YEAR

4.1 04 02 (Enter two-digit code from instruction package.)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE

			A. Total Release (pounds/year*) (Enter range code or estimate**)	B. Basis of Estimate (enter code)	C. % From Stormwater
5.1	Fugitive or non-point air emissions	NA [ ]	B	C	
5.2	Stack or point air emissions	NA [ ]	3500	C	
5.3	Discharges to receiving streams or water bodies (enter one name per box)				
	Stream or Water Body Name				
5.3.1	WILLAMETTE RIVER		0	M	000.00
5.3.2					
5.3.3					

If additional pages of Part II, Section 5.3 are attached, indicate the total number of pages in this box [1]
and indicate the Part II, Section 5.3 page number in this box. [1] (example: 1,2,3, etc.)

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A= 1 - 10 pounds; B= 11- 499 pounds; C= 500 - 999 pounds.

SCOEPA00052649

EPA FORM R

PART II. CHEMICAL - SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 5. QUANTITY OF THE TOXIC CHEMICAL ENTERING EACH ENVIRONMENTAL MEDIUM ONSITE (Continued)

		NA	A. Total Release (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)
5.4.1	Underground Injection onsite to Class I Wells	X	NA	
5.4.2	Underground Injection onsite to Class II-V Wells	X	NA	
5.5	Disposal to land onsite			
5.5.1A	RCRA Subtitle C landfills	X	NA	
5.5.1B	Other landfills	X	NA	
5.5.2	Land treatment/application farming	X	NA	
5.5.3	Surface Impoundment	X	NA	
5.5.4	Other disposal	X	NA	

SECTION 6. TRANSFERS OF THE TOXIC CHEMICAL IN WASTES TO OFF-SITE LOCATIONS

6.1 DISCHARGES TO PUBLICLY OWNED TREATMENT WORKS (POTWs)

6.1.A Total Quantity Transferred to POTWs and Basis of Estimate

6.1.A.1. Total Transfers (pounds/year*) (enter range code** or estimate)	6.1.A.2 Basis of Estimate (enter code)
0	M

6.1.B.1 POTW Name	CITY OF PORTLAND						
POTW Address	1211 SW 5TH AVENUE						
City	PORTLAND	State	OR	County	MULTNOMAH	Zip	97204-
6.1.B.2 POTW Name							
POTW Address							
City		State		County		Zip	

If additional pages of Part II, Section 6.1 are attached, indicate the total number of pages in this box [1] and indicate the Part II, Section 6.1 page number in this box [1] (example: 1,2,3, etc.)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS

6.2.1 Off-Site EPA Identification Number (RCRA ID No.)	AZD043840479								
Off-Site Location Name	BOC GASES								
Off-Site Address	1122 NORTH 52ND STREET								
City	PHOENIX	State	AZ	County	MARICOPA	Zip	85008-	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052650

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~4100~~ 5168	1. C	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

6.2.2 Off-Site EPA Identification Number (RCRA ID No.): TXP490295001

Off-Site location Name: GEM MICROELECTRONIC MATERIALS, LLS

Off-Site Address: 100 US HIGHWAY 287 NORTH

City	State	County	Zip	Country (Non-US)
MANSFIELD	TX	TARRANT	76063-	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. B	1. C	1. M69
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.1a	7A.1b	1	A03	2	C11				7A.1c	7A.1d	7A.1e
A	3 NA	4		5					4	99 %	Yes [ ] No [X]
	6	7		8							
7A.2a	7A.2b	1	A03	2	NA				7A.2c	7A.2d	7A.2e
A	3	4		5					1	99 %	Yes [ ] No [X]
	6	7		8							
7A.3a	7A.3b	1	C11	2	NA				7A.3c	7A.3d	7A.3e
W	3	4		5					3	100 %	Yes [X] No [ ]
	6	7		8							
7A.4a	7A.4b	1		2					7A.4c	7A.4d	7A.4e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							
7A.5a	7A.5b	1		2					7A.5c	7A.5d	7A.5e
	3	4		5						%	Yes [ ] No [ ]
	6	7		8							

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box : [1] *(example: 1,2,3, etc)*

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

SCOEPA00052651

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 6.2 TRANSFERS TO OTHER OFF-SITE LOCATIONS (Continued)

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1.	1.	1.
2.	2.	2.
3.	3.	3.
4.	4.	4.

6.2.3 Off-Site EPA Identification Number (RCRA ID No.)	PAD987283207
Off-Site location Name	AIR LIQUIDE AMERICAN CORP.
Off-Site Address	19 STEEL ROAD WEST

City	MORRISVILLE	State	PA	County	BUCKS	Zip	19067-3698	Country (Non-US)	

Is location under control of reporting facility or parent company? [ ] Yes [X] No

A. Total Transfers (pounds/year*) (enter range code** or estimate)	B. Basis of Estimate (enter code)	C. Type of Waste Treatment/Disposal/ Recycling/Energy Recovery (enter code)
1. ~~14100~~ 19871	1. C	1. M26
2. NA	2.	2.
3.	3.	3.
4.	4.	4.

SECTION 7A. ON-SITE WASTE TREATMENT METHODS AND EFFICIENCY

[ ] Not Applicable (NA) - Check here if no on-site waste treatment is applied to any waste stream containing the toxic chemical or chemical category.

a. General Waste Stream (enter code)	b. Waste Treatment Method(s) Sequence [enter 3-character code(s)]								c. Range of Influent Concentration	d. Waste Treatment Efficiency Estimate	e. Based on Operating Data ?
7A.6a	7A.6b	1		2		3		4	7A.6c	7A.6d	7A.6e
	5		6		7		8			%	Yes [ ] No [ ]
7A.7a	7A.7b	1		2		3		4	7A.7c	7A.7d	7A.7e
	5		6		7		8			%	Yes [ ] No [ ]
7A.8a	7A.8b	1		2		3		4	7A.8c	7A.8d	7A.8e
	5		6		7		8			%	Yes [ ] No [ ]
7A.9a	7A.9b	1		2		3		4	7A.9c	7A.9d	7A.9e
	5		6		7		8			%	Yes [ ] No [ ]
7A.10a	7A.10b	1		2		3		4	7A.10c	7A.10d	7A.10e
	5		6		7		8			%	Yes [ ] No [ ]

If additional pages of Part II, Section 6.2/7A are attached, indicate the total number of pages in this box [2]
and indicate the Part II, Section 6.2/7A page number in this box : [2] **(example: 1,2,3, etc)**

* For Dioxin or Dioxin-like compounds, report in grams/year

** Range Codes: A = 1 - 10 pounds; B = 11 - 499 pounds; C = 500 - 999 pounds.

EPA FORM R

PART II. CHEMICAL-SPECIFIC INFORMATION (CONTINUED)

TRI Facility ID Number
97210WCKRS7200N
Toxic Chemical, Category or Generic Name
HYDROCHLORIC ACID (1995 AND AFTER "ACID AEROSOLS" ONLY)

SECTION 7B. ON-SITE ENERGY RECOVERY PROCESSES

[X] Not Applicable (NA) - Check here if no on-site energy recovery is applied to any waste stream containing the toxic chemical or chemical category.

Energy Recovery Methods [enter 3-character code(s)]

1 NA | 2 | 3 | 4

SECTION 7C. ON-SITE RECYCLING PROCESSES

[X] Not Applicable (NA) - Check here if no on-site recycling is applied to any waste stream containing the toxic chemical or chemical category.

Recycling Methods [enter 3-character code(s)]

1. NA | 2. | 3. | 4. | 5.

6. | 7. | 8. | 9. | 10.

SECTION 8. SOURCE REDUCTION AND RECYCLING ACTIVITIES

		Column A Prior Year (pounds/year*)	Column B Current Reporting Year (pounds/year*)	Column C Following Year (pounds/year*)	Column D Second Following Year (pounds/year*)
8.1	Quantity released ***	4600	3700	5000	5000
8.2	Quantity used for energy recovery onsite	0	NA	0	0
8.3	Quantity used for energy recovery offsite	0	0	0	0
8.4	Quantity recycled onsite	0	NA 25647	0	0
8.5	Quantity recycled offsite	25000	~~18200~~ 25639	25000	30000
8.6	Quantity treated onsite	455000	~~349300~~ 331153	500000	500000
8.7	Quantity treated offsite	0	0	0	0
8.8	Quantity released to the environment as a result of remedial actions, catastrophic events, or one-time events not associated with production processes (pounds/year)			0	
8.9	Production ratio or activity index			0000000.78	

8.10 Did your facility engage in any source reduction activities for this chemical during the reporting year? If not, enter "NA" in Section 8.10.1 and answer Section 8.11.

	Source Reduction Activities [enter code(s)]	Methods to Identify Activity (enter codes)		
8.10.1	W13	a. T03	b. T11	c.
8.10.2	NA	a.	b.	c.
8.10.3		a.	b.	c.
8.10.4		a.	b.	c.

8.11 Is additional information on source reduction, recycling, or pollution control activities included with this report ? (Check one box) — YES [ ] NO [X]

EPA Form 9350-1 (Rev. 01/2001) - Previous editions are obsolete.

* For Dioxin or Dioxin-like compounds, report in grams/year

*** Report releases pursuant to EPCRA Section 329(8) including "any spilling, leaking, pumping, pouring, emitting, emptying, discharging, injecting, escaping, leaching, dumping, or disposing into the environment." Do not include any quantity treated onsite.

Hydrochloric Acid Aerosols (7647-01-0)

2001

Only the aerosol forms of HCl are reportable. This includes:

HCl(g) used for cleaning wafers in Epitaxy (otherwise use)
HCl vapor/mist from the acid baths to the acid scrubbers (manufacture)
HCl vapor/mist from UPW system regeneration process (manufacture)
HCl(g) generated from the reaction of trichlorosilane and hydrogen gas (manufacture)

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl	lbs as HCl	
646079	Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	1.00	25200	LBS	25,200.00	32	8,064	
5510631	Hydrochloric Acid 35-37%	550.44	114	DR	62,750.16	37	23,218	
5407359	Hydrochloric Acid 37% ppb grade (6.5# BTL)	6.50	370	PC	2,405.00	37	890	
5407352	Hydrochloric Acid, Semi Grade 37% Drum	550.44	29	DR	15,962.76	37	5,906	
						Hydrochloric Acid from aqueous HCl:	38,078	

Each pound of liquid HCl = 0.01 lb HCl(aerosol). Total HCl aerosol from liquid is: **381** mfger

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl	lbs as HCl	
5407449	Trichlorosilane Grade 5	550.00	426	CYL	234,300.00	80.753	**189,204**	mfger

In the EPI reactors Trichlorosilane reacts with Silicon metal to produce a hydrochloric acid mist/vapor. Based on the stoichiometry of the expected reaction, 3 moles of hydrochloric acid are produced from each mole of trichlorosilane ($HSiCl_3 = 3HCl + Si$).

The reportable quantity of hydrochloric acid aerosol manufactured in 2001 is: **189,585** mfger

This is above the TRI manufacture threshold of 25,000 pounds.

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl	lbs as HCl	
5407448	HCl Gr 5 EPI 200# CYL (air liquide)	60.00	2346	CYL	140,760.00	100	140,760	otherwise
5515177	HCL high purity in cylinders 60lb HCl/cyl (BOC)	60.00	681	CYL	40,860.00	100	40,860	otherwise

The reportable quantity of hydrochloric acid aerosol used in 2001 is: **181,620** otherwise

This is well above the TRI otherwise use threshold of 10,000 pounds.

Total HCl Aerosol **371,205**

SCOEPA00052654

Hydrogen Chloride Aerosol

The maximum quantity of HCl(aerosol) on-site will be the sum of the HCl(g) in the cylinders and HCl(aerosol) in the air handling and scrubber systems:

Larry Oakly

Material Number	Material Name	lbs/ctn	max in use	max in storage	Ctn	lbs	% as HCl	lbs as HCl	
5407448	HCl Gr 5 EPI 200# CYL (air liquide)	60.00	64	100	CYL	~~9,840~~	~~100~~ 2.24	~~9,840~~	367 lbs
5515177	HCL high purity in cylinders 60lb HCl/cyl (BOC)	60.00	16	20	CYL	~~2,160~~	~~100~~ 2.24	2,160	81 lbs
								~~12,000~~	448 lbs total

HCl(aerosol) is manufactured in the trichlorosilane-hydrogen reaction. Assume 1 cylinder is in process in each Fab reacting and exhausting to the air handling system at a time. **The maximum number of trichlorosilane cylinders on site is 15.**

Material Number	Material Name	lbs/ctn	max used	Ctn	lbs	% as HCl	lbs as HCl
5407449	Trichlorosilane Grade 5	550.00	2	CYL	1,100.00	~~80.753~~ Ø	~~888~~ Ø

Not HCL unless it is released. While in cyl it remains Trichlorosilane

Max lbs HCl (aerosol) on site ~~12,888~~ 448 lbs total

The amount of HCl(aerosol) manufactured from HCl(aq) in the air handling and scrubbing systems is not included in this estimate. The concentrations are low, the air flows very high, and the total quantity of HCl(aerosol) will be low compared to what is in the gas cylinders and what is manufactured from the trichlorosilane-hydrogen reaction. The reason for this is that the 381 pounds of HCl(aerosol) manufactured from HCl(aq) is diluted by a year's worth of air flow. So, the amount in the system at any one time will be insignificant.
Range code = 04

164 cyl x 2.24 lbs (20% heel vapor in full cyl) = 367 lbs in cyl on site
36 cyl x 2.24 lbs (20% heel vapor in full cyl) = 81 lbs in cyl on site

Fugitive Emissions (Section 5.1)

Fugitive emissions include (1) equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, etc.; (2) evaporative losses from surface impoundment's (or open top tanks) and spills; (3) releases from building ventilation systems; and (4) any other fugitive or non-point air emissions (see page 31 of EPA 745-K-99-001). We use an engineering estimate that **0.1% of each acid used will be released as fugitive emissions. Fugitive emissions are calculated by multiplying the reportable annual quantity of each acid by 0.001.** All of the fugitive emission estimates are based on best engineering judgement (basis of estimate code = O).

Hydrogen Fluoride

lbs of HF used (from HF Usage)	**lbs HF Emissions**
156,478	**156**

Hydrogen Chloride Aerosol

Fugitive emissions of HCl(g) from the epitaxy processes are assumed to be zero because of the stringent design and operation requirements. The only fugitive emissions for HCl will be from the HCl(aerosol).

lbs HCl(aerosol) manufactured	**lbs HCl Emissions**
189,585	**190**

Nitric Acid

lbs nitric acid	**lbs nitric acid Emissions**
1,005,299	**1005**

Water Dissociable Nitrate Compounds

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance.

Ethylene Glycol

Zero. Fugitive emissions of ethylene glycol are assumed to be zero because of the low vapor pressure of ethylene glycol.

SCOEPA00052656

Stack Emissions (Section 5.2)

It has been assumed in past years that 1% of the acids stored in tanks and baths [used] went to the scrubbers as a vapor/mist. Scrubber manufacturers report 99% removal efficiency of acid vapor/mist. **The stack emissions are calculated by lbs used X .01 aerosol X .01 fugitive/lb aerosol**

All of the stack emission estimates are based on best engineering judgement (basis of estimate code = O).

Hydrogen Fluoride

One percent of the HF used is assumed to become a vapor/mist. HF emissions from HF bulk storage tanks are scrubbed. The HPM scrubber that receives the Fab 2 bulk storage tank (and process) emissions is assumed to have a removal efficiency of 99%. Fab 1 bulk storage tank emissions and process emissions are scrubbed by Acid Etch and Final Cleaning scrubbers which are assumed to have a removal efficiency of 99%.

lbs HF used	aerosol	fugitive	**lbs HF stack emissions**
156,478	0.01	0.01	**16**

Hydrogen Chloride Aerosol

An average of 10% (6 lbs/60 lb cyl.) of the HCl(g) in each gas cylinder is returned to the supplier as heel residue which is reclaimed. The scrubbers that treat the vapor/mist from baths have removal efficiencies of 99% per scrubber manufacturers. The scrubbers that treat the gaseous HCl and HCl from the reaction of trichlorosilane are assumed to have removal efficiencies of 99%, though their manufacturers report efficiencies of 99.999%. **Total HCl Stack Emissions = ([HCl aerosol purchased X 0.90 lbs/lb of gas] + [(HCl used for baths & UPW) X 0.01lbs/HCl used] + [HCl aerosol mfged from TCS]) X (scrubber efficiency)**

lbs HCl aerosol purchased EPI less 10% heel return	163,458
lbs HCl aerosol from baths	381
lbs HCl aerosol mfged from TCS	189,204
total lbs aerosol	353,043
lbs HCl Stack Emissions	**3,530**

Nitric Acid

One percent of the HNO_3 used is assumed to become a vapor/mist. HNO_3 emissions from the bulk storage tanks are scrubbed. The HPM scrubber that receives the Fab 2 bulk storage tank emissions is assumed to have a removal efficiency of 99%. The Acid Etch scrubber receives the Fab 1 storage tank emissions and is assumed to have a removal efficiency of 99% for acid mist. **The stack emissions are calculated by lbs HNO_3 used X .01 aerosol X .01 fugitive/lb aerosol**

lbs nitric acid used	Aerosol	fugitive	**lbs Nitric acid stack emission**
1,005,299	0.01	0.01	**101**

The NOx scrubber that receives HNO3 process emissions is a state-of-the-art, 3-stage scrubber with a mist eliminator. Therefore, these HNO3 emissions are assumed to be negligible.

Dissociable Nitrate Compounds

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance

Ethylene Glycol

Zero. Stack emissions of ethylene glycol are assumed to be zero because of the low vapor pressure of ethylene glycol.

SCOEPA00052657

Transfers to Other Off-site Locations (Section 6)

18162 lbs originally reported
- 25639 lbs. correction
<7477> under-reported

Hydrogen Fluoride

A small amount of HF is included with the chrome waste.

Burlington Environmental 20245 77th avenue South Kent, WA 98032 RCRA ID WAD 991281767

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HF	Total lbs as HF
10154	Seiter Etch	50.08	9	PL	450.68	5.0	23
10004	Wright Etch	9.35	48	GAL	448.70	12.5	56
					lbs HF sent off-site with Chrome waste		**79**

The underreport was due to a miscalculation of heel vapor 10% versus the true value of 20%

Hydrogen Chloride Aerosol

Each cylinder of HCl(g) is estimated to have a residual heel of ~10%. This residual heel is returned to the supplier to be reused to make other grades of HCl.

BOC Gases 1122 North 52nd Street Pheonix, AZ 85008, RCRA ID AZD043840479

Material Number	Material Name	lbs as HCl	~~10% Heel shipped of-site~~
5515177	HCL high purity in cylinders 60lb HCl/cyl (BOC)	40,860	~~4086~~ 5768

8.47 lbs in 20% heel vapor

681 cyl x 8.47 lbs = 5,768 lbs

Air Liquide American Corp. 19 Steel Road West Morrisville, PA 19067-3698

Material Number	Material Name	lbs as HCl	10% Heel shipped of-site
5407448	HCl Gr 5 EPI 200# CYL (air liquide)	140,760	~~14076~~ 19871

2346 cyl x 8.47 lbs = 19871 lbs

19871 lbs
+ 5768 lbs
25,639 lbs.

Total lbs HCl shipped of-site ~~18,162~~ 25,639

Basis of estimate is a mass balance calculation (basis of estimate code = C).

An acid scrubber is used to treat the HCl heels (A03). Use M69, "other treatment" if the software will not accept A03.

liquid remaining in cyl returned to vendor 3027 cyl x 3.53 lbs HCL left in cyl = 10,685 lbs.

Hydrogen Chloride Aerosol

Aerosol forms of HCl can end up in two different types of air scrubber systems. Hydrochloric acid aerosols from baths are captured by hoods that discharge to the general acid scrubbers (i.e., non-epitaxy) in each fab. Hydrogen chloride gas and HCl from the reaction of trichlorosilane end up being treated by the epitaxy air scrubbers. All scrubber water is discharged to the wastewater treatment plant.

Non-Epitaxy Air Scrubbers

Waste stream code	Waste treatment codes:	Range of influent concentration code
A	Scrubber A03	4
	Neutralization C11	

Scrubber manufacturers report 99% removal efficiency of HCl aerosols. Neutralization of the HCl acid does occur in these air scrubbers. The aerosol HCl from the baths is captured by hoods and sent to the general acid scrubbers in each fab. Captured acids are then neutralized in the scrubber systems.

lbs aqueous HCl used 2001	lb aerosol/lb used	lb HCl aerosol/yr	ft^3 of HCl/yr	Dilution Air ft^3/yr	air going to the scrubbers
38,078	0.01	381	3737	3.679E+10	0.102

Using the ideal gas law to calculate the volume (ft3)of HCl(aerosol) = Volume of HCl(aerosol) = nRT/ P

					Scrubber
where:	R ft^3-atm/°K-lb mole	T °K	P (atm)	lb/mole HCl	ft^3/min
	1.31	273.16	1	36.46	70,000

SCOEPA00052659

Epitaxy Air Scrubbers

Waste stream code	Waste treatment codes: Range of influent concentration code = 1
A	A03 Scrubber

The HCl scrubbers used by the Epitaxy areas on-site are assumed to have a removal efficiency of 99%, though the manufacturers report an efficiency of 99.999%. The hydrogen chloride gas and aerosol HCl from the reaction of trichlorosilane is captured by the epitaxy air scrubbers, which perform no neutralization. The HCl is eventually neutralized at the waste water treatment plant. The influent concentration in Fabs 1 and 2 will be based on the total quantity of HCl flowing to the epitaxy scrubbers in both fabs and the total volume of air flowing to the epitaxy scrubbers in both fabs. The total quantity of HCl will be the amount of HCl(g) used in 2001 (minus the heel quantity) and the amount of HCl expected from the reaction of trichlorosilane. Trichlorosilane reacts with hydrogen gas and water to produce a hydrochloric acid mist/vapor. While the exact stoichiometry of this reaction is not known, personnel from epitaxy estimate that 3 moles of hydrochloric acid are produced from each mole of trichlorosilane. Using the ideal gas law to calculate the volume of HCl: we can calculate the concentration of HCl in the stream going to the epitaxy scrubbers. These concentrat HCl gas and TCS only flow through the epitaxy reactors during three of the process steps.

The following data are for the Fab 2 epitaxy reactors and scrubbers. The Fab 1 epitaxy reactors will not be sufficiently different, however, to have the

Calculation of HCl Concentration in Influent to Fab 2 Epitaxy Reactor Scrubbers Trichlorosilane Source

Flow Duration	Min	N2 slpm	H2 Slpm	TCS Gm/min	HCl moles/min	HCl gm/min	HCl Lb/min	HCl Slpm	HCl gas slpm
sec	0.33	10	20	-	-	-	-	-	20
20	1.67	10	100	-	-	-	-	-	20
100	4.17	10	50	24	0.53	19.38	0.04	11.85	0
250									

SCOEPA00052660

Water Dissociable Nitrates

	Quantity released		
Fugitive emissions	0		
Stack emissions	0		
Quantity released		**0**	
Quantity treated off-site		**30**	
Quantity used on site		**967,109**	
Quantity treated on site		**967,079**	**lbs Water Dissociable Nitrates**
Quantity transferred to POTW		**48,355**	**lbs Water Dissociable Nitrates to POTW**
Quantity released to River		**918,753**	**lbs Water Dissociable Nitrates River**

8 residue aerosol
+ 25639 total offsite
3720 emissions
29367 offsite/emissions

371,205 total used
- 29367 offsite/emissions
341,838 total onsite

Hydrogen Chloride Aerosol

	Quantity released	
Fugitive emissions	190	
Stack emissions	3530	
Quantity released		3720 line 8.1
Quantity treated off-site		
BOC Gases	~~4,086~~ 5768	725,639 shipped offsite vapor 8.5, 6.2 lbs
Air Liquide	~~14,076~~ 19871	
General Chem		
Drums are returned to vendor for refill total lbs		
HCl acid in drums	23,218	
% Residue in drums	3.28	
lbs of HCl residue in drums returned to vendor	762	
1% of residue is aerosol	+ 8	
Quantity treated off-site	~~18,170~~ 25,647	
Quantity used on site	371,205	
Quantity treated on site	~~349,315~~ 331153	**lbs hydrogen chloride aerosol** 8.6 line

29367

341838 total onsite
- 10685 (HCL lbs shipped back
331,153 8.6 line

SCOEPA00052661

2005

Hydrochloric Acid Aerosols (7647-01-0)

Only the aerosol forms of HCl are reportable. This includes:

HCl(g) used for cleaning wafers in Epitaxy (otherwise use)
HCl vapor/mist from the acid baths to the acid scrubbers (manufacture)
HCl vapor/mist from UPW system regeneration process (manufacture)
HCl(g) generated from the reaction of trichlorosilane and hydrogen gas (manufacture)

Annual Usage Aqueous HCl

Aspect	Material No	Use	UOM	lbs/Unit	Total	%	lbs as HCl
Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	646079	30000	LBS	1	30,000.00	32	9,600
Hydrochloric Acid, Semi Grade 37% Drum	5407352	0	DR	475.00	0.00	37	0
Hydrochloric Acid 37% ppb grade (6.5# BTL)	5407359	48	PC	6.5	312.00	37	115
Hydrochloric Acid 35-37%	5510631	155	DR	517.50	80,212.50	37	29,679
Hydrochloric acid Totes	10446	9	TOT	1900.00	17,100.00	33	5,643
					127,624.50		
					lbs HCl from aqueous HCl		**45,037**

Annual HCl Aerosol Manufactured

HCl aerosol is manufactured by the EPI process using Trichlorosilane. Each mole of $HSiCl_3$ generates 3 moles of HCl. HCl aerosol is also generated from the natural de-gasing of aqueous HCl. The best estimate is that about 1% of the HCl from aqueous HCl is converted to aerosol.

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl aerosol	lbs as HCl aerosol
5407449	Trichlorosilane Grade 5	550.00	366	CYL	201,300.00	80.753	162,556
5536853	Trichlorosilane Grade 6	550.00	58	CYL	31,900.00	80.753	25,760
10346	TRANS LC	4.16	36	BTL	149.65	75.22	113
5546617	TRANS LC	3.09	10	BTL	30.87	75.22	23
		(1% of aqueous HCl to aerosol		**lbs of aqueous HCl**	**45,037**	1	450 *

The reportable quantity of hydrochloric acid aerosol manufactured in 2003 is: **188,902**

This is above the TRI manufacture threshold of 25,000 pounds.

Annual HCl Aerosol Used

Material Number	Material Name	lbs/ctn	Usage	Ctn	lbs	% as HCl	lbs as HCl
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.00	3450	CYL	207,000.00	100	207,000
5515177	HCL high purity in cylinders 60lb HCl/cyl (Air Liq)	60.00	0	CYL	0.00	100	0

The reportable quantity of hydrochloric acid aerosol otherwise used in 2005 is: **207,000**

This is well above the TRI otherwise use threshold of 10,000 pounds.

Total lbs of HCl Aerosol mfged & used **395,902**

* The amount of HCl gas generated from HCl aqueous was calculated using PV = nRT, where P is the vapor pressure equal to 201.4 mm over 36.6% w/w HCl solutions at 30°C (303K) or 43.6 mm over 32.16% w/w HCl solutions at 30°C (303K) ; V is the maximum volume of each container; R is 0.08206 L atm/mole K; and T is 30°C or 303K. Using this equation the aqueous HCl sources generate a total of 47 lbs. **1% is a good safety factor**.

SCOEPA00052663

Section 4 Maximum Amount of HCl Aerosol On-Site

The maximum mount of HCl aerosol is based on the aerosol generated from aqueous HCl storage tanks, HCl gas cylinders and the HCl generated by EPI reaction.

Bulk Storage Tanks of Aqueous HCl

Location	% HCl (wt/wt)	Sp. Gr	Tank	Units	lbs as HCl
Fab 1 HCl (RODI)	37.0	1.20	200	gal	741
Fab 2 HCl (UPW)	32.0	1.18	5000	gal	15,755

Aspect	Material No	In Use	Storage	UOM	lbs/Unit	Total	% HCl (wt/wt)	lbs as HCl
Hydrochloric Acid, Semi Grade 37% Drum	5407352	2	4	DR	550.440002	3,302.64	37	1,222
Hydrochloric Acid 37% ppb grade (6.5# BTL)	5407359	10	36	PC	6.5	299.00	37	111
Hydrochloric Acid 35-37%	5510631	11	12	DR	550.440002	12,660.12	37	4,684
HCl 33% in tote	10446	1	0	TOTE	1,900	1,900.00	33	627
							Total lbs HCl	22,513
Assuming that each pound of aqueous HCl generates 1% as HCl aerosol							**lbs of HCl aerosol**	**225**

Number of HCl cylinders in use (Larry Oakly) & storage (from SAP)

Material Number	Material Name	max in use	max in storage	total cylinders on site	UOM	lbs vapor/cyl	lbs as HCl aerosol
5407448	HCl Gr 5 EPI 200# CYL (BOC)	64	175	239	CYL	2.24	535

2.24 lbs of vapor is a full 60 lbs cylinder from Walter Preller, BOC Edwards EM Gas Engineer 5/26/06

lbs of HCl aerosol **535**

Maximum number of trichlorosilanel cylinders in use & in storage

1 cylinder is in process in each Fab reacting and exhausting to the air handling system at a time.

Material Number	Material Name	lbs/ctn	max used	max in storage	Ctn	lbs	% as HCl aerosol	lbs as HCl aerosol
5407449	Trichlorosilane Grade 5	550.00		n/a	CYL	0.00	80.753	0
5536853	Trichlorosilane Grade 5	550.00		n/a	CYL	0.00	80.753	0
							Max lbs HCl (aerosol) on site	**760**

TCS in storage does not generate HCl gas. HCl is only generated when TCS is used in process. So quanity in storage should not be included in calculation for total aerosol HCl on site

The amount of HCl(aerosol) manufactured from HCl(aq) in the air handling and scrubbing systems is not included in this estimate. The concentrations are low, the air flows very high, and the total quantity of HCl(aerosol) will be low compared to what is in cylinders

SCOEPA00052664

Section 5 Quantity of Toxic Chemical entering each Environmental Medium onsite

5.1 Fugitive

Fugitive emissions include (1) equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, etc.; (2) evaporative losses from surface impoundment's (or open top tanks) and spills; (3) releases from building ventilation systems; and (4) any other fugitive or non-point air emissions (see page 31 of EPA 745-K-99-001). We use an engineering estimate that **0.1% of each acid used will be released as fugitive emissions. Fugitive emissions are calculated by multiplying the reportable annual quantity of each acid by 0.001.**

		%Fugitive Emissions	
total lbs of aerosol generated annually	395,902	0.1	**396**

5.2 Stack Emissions

HCl air emission testing 3/31-5/9/03, lbs HCl/ emission from scrubbers & general exhaust	**71**

Discharges to Streams and Water Bodies (Section 5.3)

Per EPA guidance, "For purposes of reporting on Form R, EPA considers a waste mineral acid at a pH 6 or higher to be 100 percent neutralized Wacker's NPDES permit limits for pH are 6.0 and 9.0. Therefore zero HCl aerosol discharged to streams and water bodies.

SCOEPA00052665

Transfers to Other Off-site Locations (Section 6)

Section 6.1 Transfers to the POTW

Zero. Most HCl drains and scrubbers discharge to the CAD or WAD and go to the NPDES system. Some systems containing HCl discharge to the OWW, but are neutralized to a pH of greater than 6.

Section 6.2 Transfers to the Off-Site Locations

Each cylinder of HCl(g) is estimated to have a residual heel of ~20%. This residual heel is returned to the supplier to be reused to make other grades of HCl.

BOC Gases 1122 North 52nd Street Pheonix, AZ 85008, RCRA ID AZD043840479

Material Number	Material Name	lbs as HCl in cyl	8.47 lbs in 20% heel vapor	3.53 lbs of liq remaining in cyl
5407448	HCL high purity in cylinders 60lb HCl/cyl (BOC)	3,450	**29,222**	

8.47 lbs of vapor is a cylinder containing 20% heel from Walter Preller, BOC Edwards EM Gas Engineer 5/26/06

liquid remaining in cyl returned to vendor 3450 x 3.53 Lb HCL left in cylender = 12178 lbs

lbs HCl aerosol shipped off-site in cylinders 29,222

An acid scrubber is used to treat the HCl heels (A03). Use M69, "other treatment" if the software will not accept A03.

Kanto Corporation

Aspect	Material No	Use	UOM	lbs/Unit	Total	% residue	lbs as 37% HCl returned	lbs aerosol per lb 37% HCl	lbs of aerosol returned
Hydrochloric Acid 35-37%	5510631	155	DR	517.50	80,212.50	3.28	2,631	0.01	**26**
Univar									
Hydrochloric acid Totes	10446	9	TOT	1900.00	17,100.00	3.28	561	0.01	**6**

Tote is pumped completely dry Frank Thrasher, WWTP operator

These drums are returned to vendor without rinsing. % residue is drums is 3.28

Assume that 0.1 lbs of aerosol generated for each lb of HCl 37% residual in drums because of large empty volume in drums

Total aerosol shipped off site 29,253

SCOEPA00052666

On-Site Waste Treatment Methods & Efficiency (Section 7)

Section 7A

	Qty released	
Fugitive emissions		396
Stack Emissions		71
Qty released lbs	**467**	
	Qty Treated Off-site	
BOC		29,222
Kanto		26
Univar		6
Total Off-site	**29,253**	
Total used	**395,902**	
Liquid in cyl returned	**12,178**	
Qty treated on site	**354,004**	

SCOEPA00052667

2005 TRI Water Dissociable Nitrate Compounds

The water Dissociable nitrate compounds come from two sources: the nitrates already existing in the materials used and from the neutralization of nitric acid to form calcium nitrate at the WWTP. Not all of the nitric acid used is neutralized at the WWTP.

Material	Material No	Use	UOM	lbs/Unit	Total	% as Nitrate	lbs of nitrate
10004	Wright Etch	80	GAL	9.348	747.84	11.65	87.12
10012	High Purity reagent Nitric Acid 70% lab use	25	BTL	1.553	38.83	68.88	26.74
10038	Nitrate Standard Solution	1	BTL	1.10	1.10	1	0.01
10158	Poly Etch 70:2:28	4	CS	47.41	189.64	68.88	130.62
10159	Aluminum Etch 16:1:1:2 (w/o Surfactant)	28	BTL	13.35	373.80	4.92	18.39
10176	Silicon Standard 10,000 ppm (125mL/btl)	1	BTL	0.276	0.28	1.97	0.01
10206	Reference Electrode Filling Solution	2	CS	0.584	1.17	10.5	0.12
10210	Nitrate Nitrogen Std Solution, 100 ppm	1	BTL	1.08	1.08	0.613	0.01
10254	Seven Anion Standard	1	BTL	0.110	0.11	0.014	0.00
10306	Lanthanum Nitrate 6 hydrate	3	BTL	1.000	3.00	19.07	0.57
5407353	Nitric Acid 70%, Bulk	1420336	LBS	1	1,420,336.00	68.386	971310.98
5407361	Nitric Acid Class 10 Grade	18	DR	575	10,350.00	68.386	7077.95
						lbs as nitrate as purchased	**978,653**

Laboratory regents are TRI excempt (page 20) Sum of H4:H13 **264**

Total nitrates subject to TRI **978,389**

Nitrates sold as part of Metal Acid Etchant

Material Name	Material Number	Usage	UOM	lbs/UOM	lbs	% as nitrate	lbs as nitrate
PCC	1171	1196440	lbs	1	1196440	33.384	**399,420**
Current Nitric acid assay	33.927	NO3/HNO3	0.984003	33.384			

Water soluble nitrates losses

Nitric acid emissions & Treated off-site (see nitric sheet this workbook)

fugitive emissions	994	
Stack emissions	400	
NOx converted to Nitric acid	21728	**1**
Treated Off site as nitric acid	236	
lbs of Nitric Acid not treated on site	23,358	
Converted to nitrate ion (lbs nitric X 62.01/63.02)	**22,984**	lbs of nitrate not treated on site

Total lbs of nitrates treated on site **555,986**

lbs Water Soluble Nitrates as Calcium Nitrate

Assuming all HNO3 is neutralized with $Ca(OH)_2$ (CAD gets $Ca(OH)_2$; No known sources in WAD & OWW), then the lbs of water soluble nitrates as $Ca(NO_3)_2$ is equal to: **lbs NO_3^- to be neutralized X FW $Ca(NO3)_2$/(2 X FW NO_3^-)**

Chemical	$Ca(NO_3)_2$	NO_3^-	HNO_3
Formula Wt	164.1	62.01	63.02

lbs as calcium nitrate created on site **735,665**

This is above the TRI manufacture threshold of 25,000 pounds.

hours of diversion 2005

% Diversion

Total Released to POTW

Based on information from the WWTP personal after a review of the WWTP log (by phone, the estimated % of CE diverted to the City of Portland for 2005 is 0.0% (Log indicates 0 hours of diversion for 2005).

0.000

0

SCOEPA00052669

TPST Soil Recycler of Oregon 9333 N Harborgate Street Portland OR 97203

A small amount of nitrates are part of the Filter Cake Press and so are shipped Off-Site

lbs of Filter Cake	ppm as nitrate ion by analysis	lbs as nitrate ion = lbs FC x ppm/1,000,000		
412840	4.7	1.9	TPST	1.9

Hillsboro Landfill 3205 SE Minter Bridge Road, Hillsboro OR 97123

A small amount of nitrates are part of the Filter Cake Press and so are shipped Off-Site

lbs of Filter Cake	ppm as nitrate ion by analysis	lbs as nitrate ion = lbs FC x ppm/1,000,000		
777,360	4.7	3.7	Hillsboro	3.7

A 2005 analysis of filter cake gave <2.1 ppm nitrate as nitrogen or < 9.3 ppm as nitrate. 1/2 of 9.3 ppm as

total lbs nitrates released to river from WWRTP 555,980

SCOEPA00052670

Water Dissociable Nitrate Compounds on site sec 4.1

The maximum quantity of water Dissociable nitrate compounds on-site can be determined from the weekly testing for nitrates. The ppm nitrates in the effluent at CE times the flow gives the maximum lbs of nitrates per day.

Date of max	ppm nitrate	MGD	max lbs on nitrate on site	
18-Aug-05	858	0.994	7118	**NOTE: This number is a high estimate of lbs of Nitrate ion.** We do not have concentration data for nitrate in the separate tanks used in the neutralization process. Best guess is that nitrates in tanks is greater 1100 lbs.
A few lab reagent contain nitrates less than 25 lbs			25	
03 = 1000-9999 lbs.			**7143**	**max lbs of nitrates on site**

SCOEPA00052671

Fugitive Emissions (Section 5.1)

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance

Stack Emissions (Section 5.2)

Dissociable Nitrate Compounds

Zero. "Chemicals within the nitrate compounds category are only reportable when in aqueous solution," per EPA guidance

Discharges to Streams and Water Bodies (Section 5.3)

Dissociable Nitrate Compounds

Stormwater Nitrates

Sample date	2/23-28/05	11/1/2005	**average nitrate**	**0.89**	**mg/L**
North	0.88	1.76			
East	0.44	0.88			
South **	0.05	1.32			

** non detect at 0.01 ppm. Used 0.05 for calculation

Area		sq ft	% total	factor	weighed ave	factors from pg 44 instructions 2005 (used
Total Paved (mostly asphaltic)		1,191,000	32.6	0.85	0.277	higher values)
Roof		405,000	11.1	0.85	0.094	
Lawn & undeveloped		2,062,000	56.4	0.2	0.113	area from Stormwater Policy
	total area	**3,658,000**			**0.484**	

Rainfall 2005 from underground Weather website in inches

36.12

7.48 gal/cu ft
3.785 L/gal
454 g/lb
1000 mg/g

Total gallons of rainfall/yr	39,828,681	rainft/yr X total area X 7.48 X weighed ave
Total Liters of rainfall/yr	150,751,558	gal/yr X 3.785
mg nitrate/yr	133,917,634	mg nitrate/L from analysis X total L/yr
Total lbs nitrates/yr	**295**	mg/(454 x 1000)
% nitrate discharged through stormwater	**0.053**	stormwater X 100/(total discharge + stormwater)
Total lbs dicharged to Willamette River	**556,275**	

SCOEPA00052672

Transfers to Other Off-site Locations (Section 6)

Dissociable Nitrate Compounds

TPST Soil Recyclers of Oregon 9333 N Harborgate Street Portland, OR 97203 ORD000005280

lbs Water Soluble

lbs of Filter Cake Press	ppm NO_3 (as is)	lbs as NO_3^-
412,840	4.7	**1.9**

Hillsboro Landfill 3205 SE minter Bridge Road, Hillsboro OR 97123

A small amount of nitrates are part of the Filter Cake Press and so are shipped Off-Site

lbs of Filter Cake	ppm as nitrate ion by analysis	lbs as nitrate ion = lbs FC x ppm/1,000,000
777,360	4.7	**3.7**

A 2005 analysis of filter cake gave < 2.1ppm nitrate as nitrogen or 4.9 ppm as nitrate. 1/2 of 2.1 ppm as nitrate will be used as the nitrate value or 1.05 ppm

TOTAL **5.6**

Transfers to the POTW (Section 6.1)

Based on information from the WWTP personal after a review of the WWTP log (by phone, the estimated % of CE diverted to the City of Portland for

Total Released to POTW	**0.0**

SCOEPA00052673

On-Site Waste Treatment Methods & Efficiency (Section 7)

Waste Water Treatment Plant 0 no treatment for nitrate

Waste stream code	Waste treatment codes:
W	C01 Lime - chemical precipitation
	C09 Other - chemical precipitation
	C11 Neutralization
	P11 Settling/clarification
	P12 Filtration
	P13 Non-thermal sludge dewatering

Source Reduction and Recycling Activities (Section 8)

None of the chemicals were used for energy recovery or recycling on or off-site.
Quantity released = (fugitive emissions) + (stack emissions)
Quantity treated off-site = (Quantity transferred off-site)
Quantity treated on-site = (amount used/manufactured) - (quantity released) - (amount transferred off-site)

Water Dissociable Nitrates

Quantity released	**22,984**	**lbs of nitrate not treated on site (from nitric acid releases)**
Quantity Purchased	**978,653**	
Quantity created on site	**555,986**	**lbs Water Dissociable Nitrates**
Quantity transferred to POTW	**0.0**	**lbs Water Dissociable Nitrates to POTW**
Quantity treated off site	**5.6**	**lbs Water Dissociable Nitrates to TPS & Hillsboro**
Stormwater release	**295**	**lbs Water Dissociable Nitrates River**
Quantity released to River from WWTP	**555,980**	**lbs Water Dissociable Nitrates River**
total released to river	**556,275**	**lbs Water Dissociable Nitrates River**

SCOEPA00052675

Activity Index and Following Years

2005 Index = surface area of wafers produced in 2005 divided by surface area of wafers produced in 2003

	2005		2004	
Wafers Shipped Fab 1 & 2:			Wafers Shipped Fab 1 & 2:	
Polish - 150	393.195	MCM2	Polish - 150	232.857 MCM2
Polish - 200	366.676	MCM2	Polish - 200	309.27 MCM2
Epi - 100	2.003	MCM2	Epi - 100	2.788 MCM2
Epi - 125	53.397	MCM2	Epi - 125	69.324 MCM2
Epi - 150	121.975	MCM2	Epi - 150	231.438 MCM2
Epi - 200	333.693	MCM2	Epi - 200	302.588 MCM2
200 Argon	9.149	MCM2	200 Argon	0.448 MCM2
total shipped	1280.088	MCM2	total shipped	1148.713 MCM2
			ratio	1.11

SCOEPA00052676

Silicon Sludge Analytical Summary

Major Constituents	mg/l	mg/kg	%	
Total organic carbon			2.71	*
Calcium			4.66	*
Fluoride - total			3.4	*
(Fluoride - extractable)		370		*
(Fluoride - free)		109		*
Bellack Residue (silicon carbide)			43.4	*
Calcium carbonate equivalency			4.4	*
% Solids			73.9	
Nitrogen Analyses				
Nitrogen, Total Kjeldahl (TKN)		382		*
Ammonia as nitrogen		38.3		*
Nitrate as nitrogen		<2.1		*
Trace Constituents				
Arsenic - TCLP	<0.1			
Cadmium - TCLP	<0.01			
Chromium - TCLP	<0.01			
Copper - TCLP	2.80			
Lead - TCLP	<0.05			
Mercury - TCLP	<0.002			
Molybdenum - TCLP	<0.1			
Nickel - TCLP	0.25			
Selenium - TCLP	<0.1			
Zinc - TCLP	4.3			
Boron - total*		18.7		*
Magnesium - total*		134		*
Phosphorous - total*		68		*
Potassium - total*		<200		*
Sodium - total*		353		*
Other results				
Chloride		13		*
Sulfate		160		*
pH	7.99			
Conductivity (umhos/cm)	410			
Fineness factor	1.000			**

Note: The 370 mg/kg extractable fluoride indicates that the rest of the fluoride (about 3.36%) is tightly bound up with elements such as calcium, i.e., in the form of calcium fluoride.

NO_3 as N

$< 2.1 \times \frac{62.007}{14} = < 9.3$ ppm as NO_3^-

or 4.7 ppm as NO_3

* Result adjusted to reflect an as-received basis
** As-received

NITRIC COMPOUNDS -WATER SOLUABLE

Section 4.1 The maximum amount of Dissociable Nitrate compounds we have on site during the year is 7143 pounds (code 03 - 1,000 to 9,999). The nitrates come from:

1. Primarily from the neutralization of the nitric acid to form calcium nitrate at the WWTP. (Not all nitric acid used is neutralized at the WWTP)
2. nitrates already existing in materials used

The maximum quantity of water dissociable nitrate compounds is determined by from weekly testing for nitrates. This is calculated by multiplying the CE effluent nitrate ppm by the flow. However, this is a high number because we do not have concentration data for each individual tank. Best estimate is that nitrates in tanks are greater than 1100 lbs.

In 2003 Siltronic initiated a program to reduce the amount of water soluble nitrates discharged by selling used nitric/hydrofluoric acid etchant to another company for use in their acid etching process. In 2003 this sale reduced Siltronics discharge by 83,000 lbs, in 2004 reduced by 280,000 pounds, and in 2005 Siltronics achieved and additional reduction of 105,000 pounds.

Section 6.1 codes are based on pg 42 of TRI instructions. (A= 1-10 lbs. M= monitoring) EPA considers a waster mineral acid at a PH of 6.0 or higher to be 100 percent neutralized. Therefore, no nitric acid released.

Section 6.2 numbers are based on lbs of filter cake press x ppm as nitrate ion by analysis divided by 1,000,000.

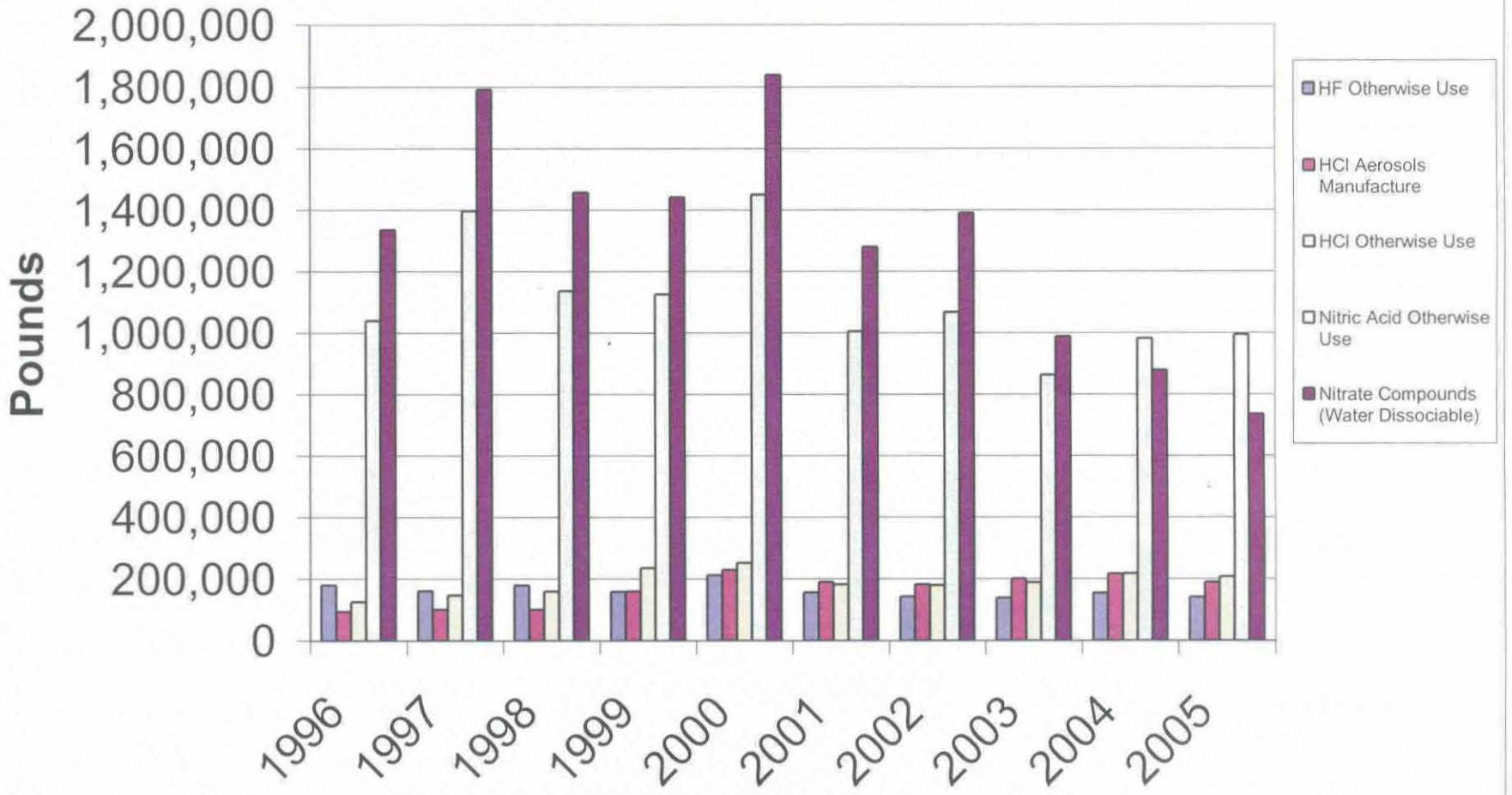
Section 7A.1 Codes based on Page 49 on instructions.

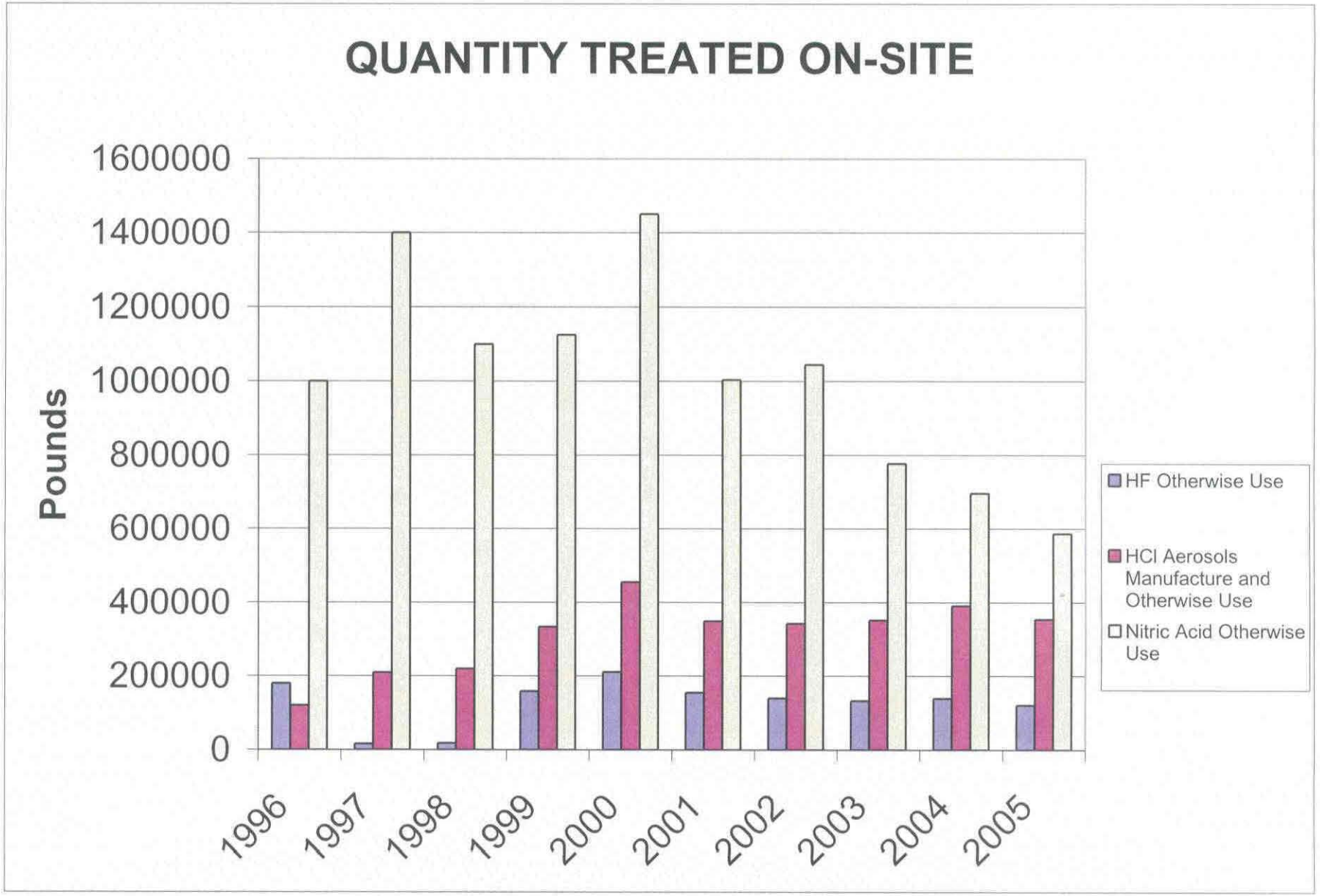
Water –neutralization, chemical precipitation, settling.

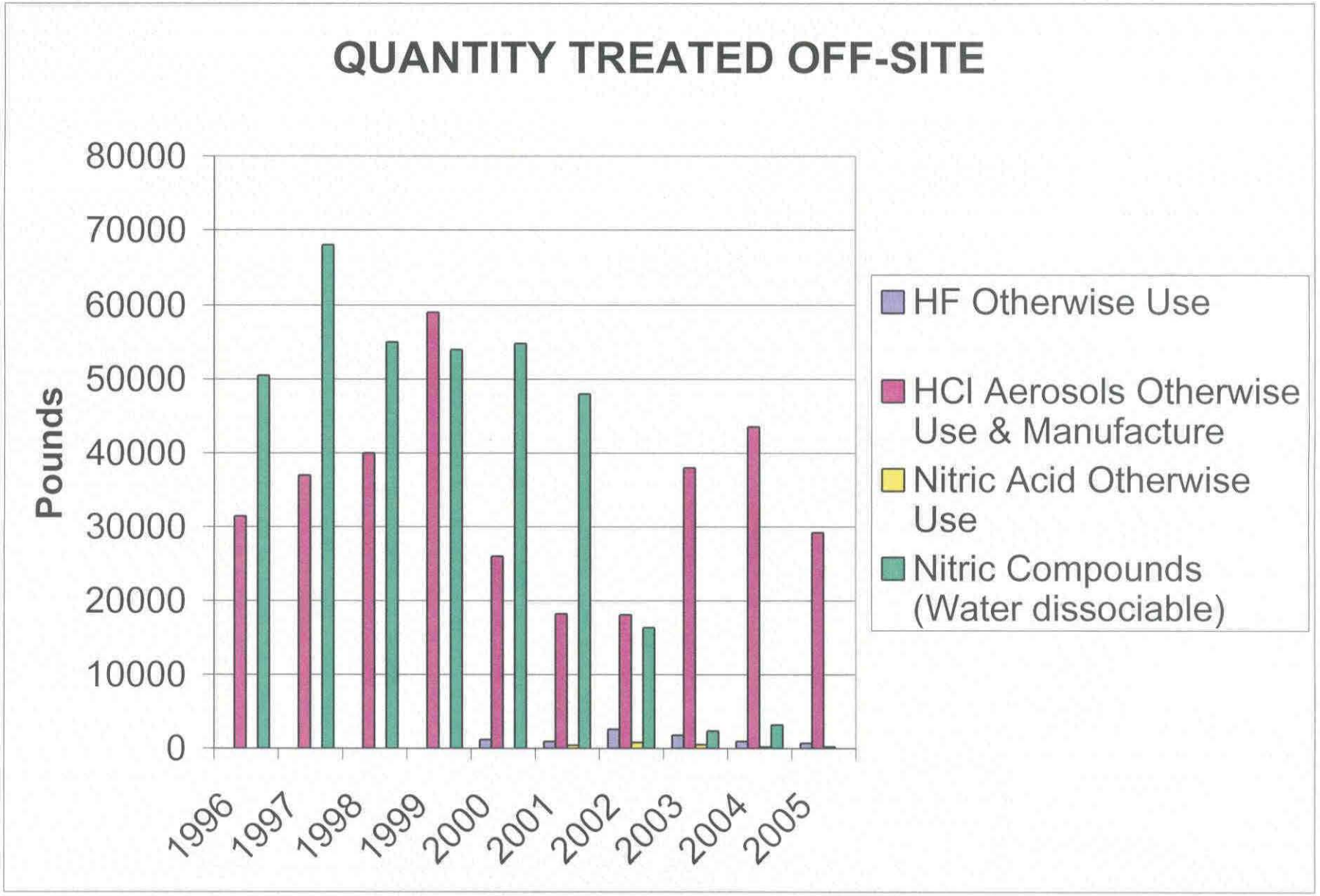
Section 8 Column A contains prior year's data. Column B is this year's data (8.1b data from 5.3.1 minus filter cake nitrate number. 8.1c data is from 6.2. Column C and D are best estimates of future activities.
8.1b- down because of spent acid project
8.1c- filter press cakes
8.1d- discharge to POTW possible pipe work

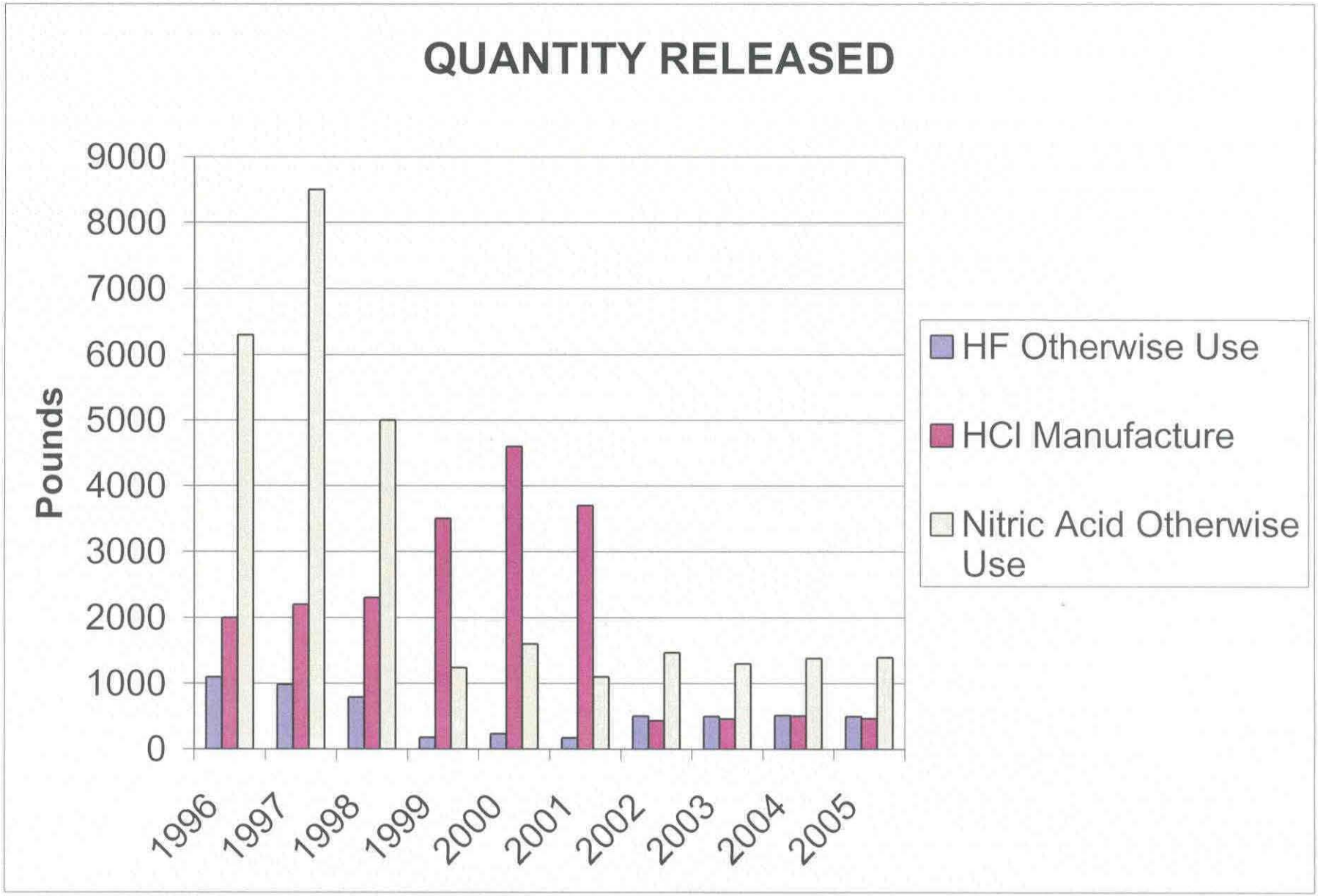
TRI CHEMICAL ACTIVITY

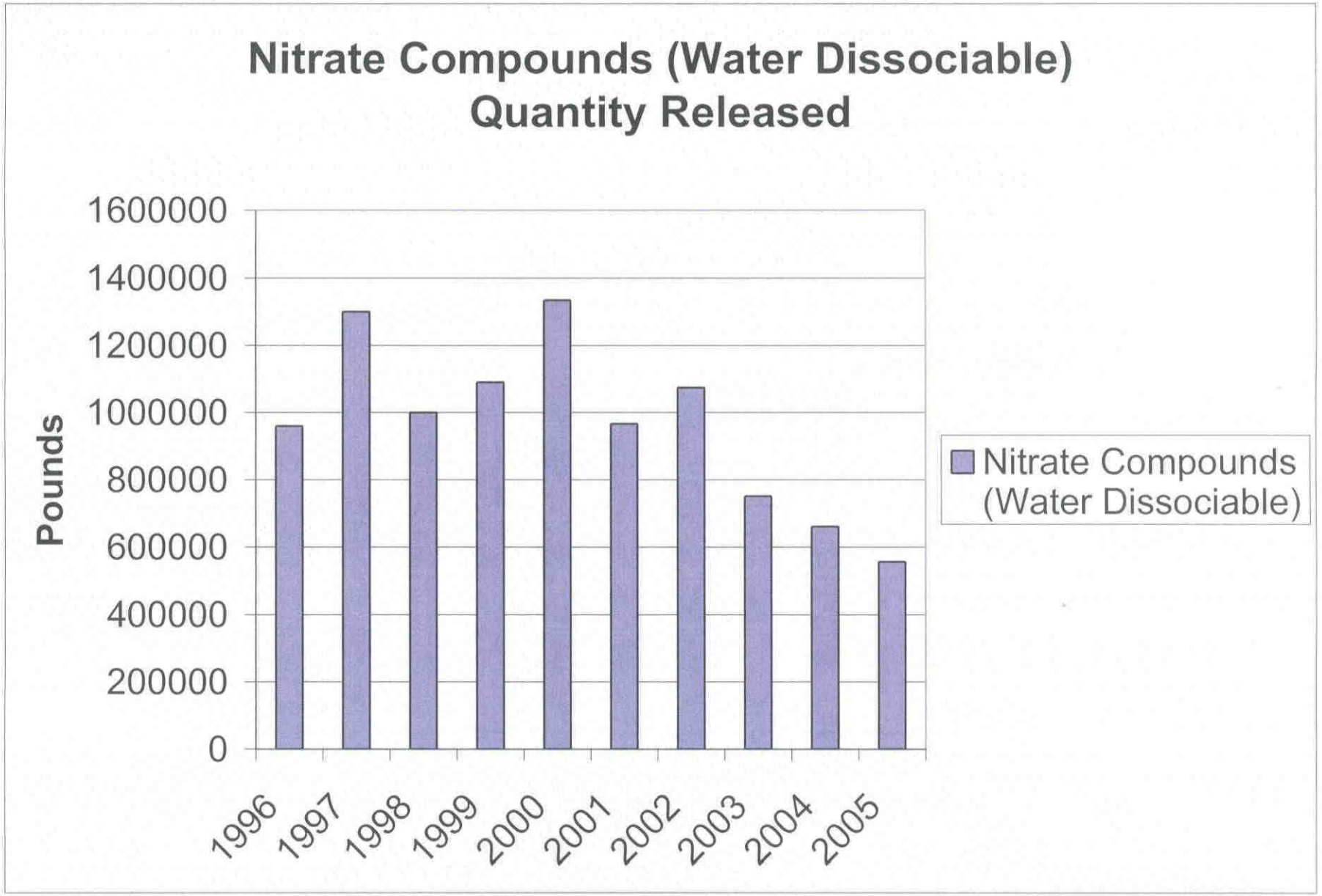
OTHERWISE USE AND MANUFACTURE




QUANTITY TREATED ON-SITE
Pounds
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
HF Otherwise Use
HCl Aerosols Manufacture and Otherwise Use
Nitric Acid Otherwise Use


QUANTITY TREATED OFF-SITE
Pounds
80000
70000
60000
50000
40000
30000
20000
10000
0
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
HF Otherwise Use
HCl Aerosols Otherwise Use & Manufacture
Nitric Acid Otherwise Use
Nitric Compounds (Water dissociable)


QUANTITY RELEASED
Pounds
9000
8000
7000
6000
5000
4000
3000
2000
1000
0
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
HF Otherwise Use
HCl Manufacture
Nitric Acid Otherwise Use


Nitrate Compounds (Water Dissociable)
Quantity Released
Pounds
1600000
1400000
1200000
1000000
800000
600000
400000
200000
0
1996
1997
1998
1999
2000
2001
2002
2003
2004
2005
Nitrate Compounds (Water Dissociable)

TRI Chemical Acitivity	Hydrogen Fluoride Otherwise Use	Hydrochloric Acid Aerosols Manufacture	Hydrochloric Acid Aerosols Otherwise Use	Nitric Acid Otherwise Use	Nitrate Compounds (Water Dissociable) Manufacture 25,000 lbs as Calcium nitrate	Ethylene Glycol Otherwise Use		area shipped 1985.806	year 2000	index
Threshold [1] (lbs)	10,000	25,000	10,000	10,000		10,000		1539.365	2001	0.78
Amount (lb)[1]							**Total**	926.22	2002	0.60
1996	180,740	94,410	125,700	1,040,554	1,335,850	10,800	2,788,054	913.64	2003	0.99
1997	161,649	101,103	147,000	1,397,756	1,792,231	13,335	3,613,074	1148.713	2004	1.26
1998	179,392	101,201	159,600	1,136,237	1,456,912	10,761	3,044,103	1280.088	2005	1.11
1999	158,689	160,129	235,920	1,126,055	1,441,733	0	3,122,526			
2000	212,400	229,200	251,400	1,450,000	1,837,000	71	3,980,071			
2001	156,000	190,000	182,000	1,005,000	1,280,000	530	2,813,530			
2002	142,983	182,011	179,160	1,068,168	1,391,328	13	2,963,663			
2003	138,455	201,277	188,820	863,320	988,000	477	2,380,349			
2004	154,206	217,362	217,620	982,041	878,407	516	2,450,152			
2005	***140,956***	***188,902***	***207,000***	***994,327***	***735,665***	***2,282***	2,269,132	0.93		
	0.91	0.87	0.95	1.01	0.84	4.42				

8.1 Quantity Released (lb)[2]							**Total**
1996	1,094	2,000	included with	6,300	960,000	0	969,394
1997	980	2,200	manufactured	8,500	1,300,000	0	1,311,680
1998	790	2,300		5,000	1,000,000	0	1,008,090
1999	175	3,500		1,239	1,090,000	0	1,094,914
2000	233	4,600		1,600	1,334,000	0	1,340,433
2001	170	3,700		1,100	967,000	0	971,970
2002	503	432		1,467	1,074,401	0	1,076,803
2003	500	460		1,300	751,000	0	753,260
2004	514	506		1,382	661,072	0	663,474
2005	**500**	**467**		**1,394**	**556,751**	**0**	559,112
	0.97	0.92		1.01	0.84		

[1]Threshold Amount is used to determine whether a TRI Report must be filed. For Nitrate Compounds, the *reportable quantity* is considerably less than the threshold amount because only the nitrate ion portion is reportable. Amount of nitrates mfged is as calcium nitrate.

[2]Quantity Released includes fugitive emissions, stack emissions, and discharges to streams and water bodies (Willamette River). Nitates are as nitrate ion

TRI Chemical	Hydrogen Fluoride	Hydrochloric Acid Aerosols	Hydrochloric Acid Aerosols	Nitric Acid	Nitrate Compounds (Water Dissociable)	Ethylene Glycol		
Acitivity	Otherwise Use	Manufacture	Otherwise Use	Otherwise Use	Manufacture	Otherwise Use		
Threshold [1] (lbs)	10,000	25,000	10,000	10,000	25,000	10,000		
8.6 Quantity Treated On-Site (lb)[2]							**Total**	
1996	180,000	120,000	included with	1,000,000	0	0	1,300,000	
1997	16,000	210,000	manufactured	1,400,000	0	0	1,626,000	
1998	180,000	220,000		1,100,000	0	0	1,500,000	
1999	159,000	333,500		1,125,000	0	0	1,617,500	
2000	211,000	455,000		1,450,000	0	0	2,116,000	
2001	155,000	349,000		1,004,000	0	0	1,508,000	0.97
2002	139,896	342,662		1,044,631	0	0	1,527,189	
2003	133,000	351,600		777,000	0	0	1,261,600	
2004	139,419	390,918		696,089	0	0	1,226,426	
2005	***120,634***	***354,003***		***586,781***	***0***	***0***	1,061,418	0.87
	0.87	0.91		0.84				
8.7 Quantity Treated Off-Site (lb)[2]							**Total**	
1996	0	31,425	included with	0	50,500	11,000	92,925	
1997	0	37,000	manufactured	0	68,000	13,000	118,000	
1998	0	40,000		0	55,000	11,000	106,000	
1999	0	59,000		0	54,500	0	113,500	
2000	1,170	26,000		0	54,800	0	81,970	
2001	930	18,200		410	48,000	0	67,540	1.12
2002	2584	18,077		779	16,342	0	37,782	
2003	1,770	38,000		500	2,360	0	42,630	
2004	956	43,558		197	3,181	0	47,892	
2005	***699***	***29,222***		***236***	***6***	***0***	30,163	
	0.73	0.67		1.20	0.00			

[1]Threshold Amount is used to determine whether a TRI Report must be filed. For Nitrate Compounds, the *reportable quantity* is considerably less than the threshold amount because only the nitrate ion portion is reportable. Amount of nitrates mfged is as calcium nitrate.

[2]Quantity Released includes fugitive emissions, stack emissions, and discharges to streams and water bodies (Willamette River). Nitates are as nitrate ion

TRI Chemical	Activity	Threshold [1](lbs)	2005	2004	2003	2002	2001	2000	1999	1998	1997	1996
1,1,1-Trichloroethane	Otherwise Use	10,000	<0.5	N/S	N/S	11	9	4		17		35
1,1-Dichloro-1-fluorethane (HCFC-141b)	Otherwise Use	10,000	N/S	2	7	43	<1					
Ammonia	Otherwise Use	10,000	3,821	4,894	3,689	4013	3814	5,790	1,528	1,691	2,235	2,365
Antimony cpd	Process	25,000	N/S	68	33	131	180	209	222	233	330	1,609
Barium cpd	Otherwise Use	10,000	5	<3	<1	49	4					
Benzo(a)anthracene	Otherwise Use	100	N/S	N/S	N/S	3	11	19				
butyl alchol	Otherwise Use	10,000	<0.5	1	1	2	3					
sec-butyl alchol	Otherwise Use	10,000	<1	N/S	N/S	N/S	1					
Cadmium/Cadmium cpds	Otherwise Use	10,000	<0.5	<1	<1	<1						
Certain Glycol Ethers	Otherwise Use	10,000	<3	6	16	142	<1	71		2		
Chlorodifluoromethane (R-22)	Otherwise Use	10,000	46	30	31	240	210	240	300	390		1,051
Chromium Cpds	Otherwise Use	10,000	213	267	249	1340	531	3,281	3,363			
Cobalt/cobalt cpds	Otherwise Use	10,000	<0.5	<1	<1	14						
Copper cpd	Otherwise Use	10,000	5	13	10	22	10					
Cumene Hydroperoxide	Otherwise Use	10,000	N/S	N/S	<1	<1	0			1		1
DBNPA (2,2-dibromo-3-nitroproionamide)	Otherwise Use	10,000	N/S	N/S	10	10						
Dichloromethane	Otherwise Use	10,000	6	4	7	<1	4	2	2	1		4
Ethylbenzene	Otherwise Use	10,000	4	7	8	45	3	1				
Ethylene Glycol	Otherwise Use	10,000	2,282	516	477	873	534					
Freon 113	Otherwise Use	10,000	N/S	N/S	N/S	12	23	<1		50		122
Lead	Otherwise Use	100	<0.5	<0.1	<1	7968	8760	included batteries				
Manganese cpd	Otherwise Use	10,000	<0.5	<1	N/S	N/S	30					
Mercury Reagent	Otherwise Use	10	2	2	2	1.2	2.5	2				
Mercury cpds	Otherwise Use	10	0	0	0.1	0.1						
Waste Mercury recycling	Otherwise Use	10	0	0	8	5.0						
Methylene BIS (Phenliocyanate)	Otherwise Use	10,000	N/S	N/S	<1	7						
Naphthalene	Otherwise Use	10,000	N/S	N/S	111	111	111			69		
n-Hexane	Otherwise Use	10,000	5	<3	16	9	11	2		3		5
n-Methyl-2-pyrrolidone	Otherwise Use	10,000	110	459	128	220	73			156		
Nickel/Nickel cpds	Otherwise Use	10,000	<0.5	<1	<1	64 included batteries						
Phosphine	Process	25,000	<0.5	<1	<1	<1	<1	<1				
Phosphoric Acid	Otherwise Use	10,000	N/S	N/S	394	453	427	<2790		336		1,067
Styrene monomer	Otherwise Use	10,000	N/S	N/S	N/S	24	83					
Tetrachloroethylene	Otherwise Use	10,000	N/S	N/S	N/S	6	5	1		5		7
Toluene	Otherwise Use	10,000	3,142	3,011	2,173	2800	2287	3,469	2,626	2,141		5
trans 1,2, dichloroethene	Otherwise Use	10,000	181	150	91	3	3					
Trichloroethylene	Otherwise Use	10,000	<0.1	N/S	N/S	5	5					
Trichlorofluoromethane (R-11)	Otherwise Use	10,000	N/S	N/S	N/S	N/S	23		800	200		1,000
Xylene	Otherwise Use	10,000	62	20	53	38	18	7		3		11
Zinc Cpds	Otherwise Use	10,000	6	6	10	182						

Notes: N/S: none seen in database

TRI CHEMICALS BELOW THRESHOLD

TRI Reportable Chemicals 2004

Usage greater than zero and only 2004 (see Q, <1/1/05)

CAS # 7647010 **Hydrogen Chloride gas**

Material #	*Material Name*	*lbs/Unit*	*Usage*	*lbs*	*%*	*Total lbs*	
Vendors:							
10346	Trans LC (trans 1,2-dichloroethene)	4.157	36 BTL	149.66	75.22	112.57	☑
	1. Fab 2: Trans LC will be used in the argon annealing furnace as a cleaning agent to clean the tube. It will be delivered to the tube via carrier gas and react with oxygen to form HCl and other compounds. The HCl will remove metals in the process tube. The chamber is exhausted to the HPM system.						
Vendors:	**Air Liquide**						
5515177	HCL high purity in cyl 60lb HCl/cyl (Air Liq) (flagged to be del	60.000	102 CYL	6,120.00	100	6,120.00	☐
	Anhydrous HCl used in EPI process. A study was made of the amount of martial returned to vendor. It was found that anywhere from zero to 30 lbs of HCl was left in those cylinders used in Fab 1. The current Fab 1 estimate is that the average returned is 8.3 lbs per cylinder but Andrew Huynh feels that we are using 80% of each cylinder or leaving about 12 lbs of HCl remaining in each cylinder. Berry Kelly estimates that cylinders used in Fab 2 are returned with 11lbs of HCl remaining in each cylinder. No. of cf of gas per cyl: 60 lbs HCl(l) = 60 lbs HCl(g). 60 lbs is 748 moles and at 1 atm and 25C equals 18,284 L of HCl gas or 645 cf of gas/cyl.						
Vendors:	**BOC**						
5536853	Trichlorosilane (TCS) Electronic Grade	550.000	40 CYL	22,000.00	80.753	17,765.66	☐
	New type of valve system. This will, in time, replace SAP # 5407449. 33 cylinders received without SAP# plus 7 received as 5536853. Total for year 40						
5407449	Trichlorosilane Grade 5	550.000	448 CYL	246,400.00	80.753	198,975.39	☐
	Each mole of TCS used in the EPI process generated 3 moles of HCl. Formula wt TCS is 135.452 and Formula wt. Of HCl is 36.461. The % TCS as HCl is (3x36.461)x(100)/135.452 = 80.753%						
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.000	3525 CYL	211,500.00	100	211,500.00	☐
	Anhydrous HCl used in EPI process. A study was made of the amount of material returned to vendor. It was found that anywhere from zero to 30 lbs of HCl was left in those cylinders used in Fab 1. The current Fab 1 estimate is that the average returned is 8.3 lbs per cylinder but Andrew Huynh feels that we are using 80% of each cylinder or leaving about 12 lbs of HCl remaining in each cylinder. Berry Kelly estimates that cylinders used in Fab 2 are returned with 11lbs of HCl remaining in each cylinder. No. of cf of gas per cyl: 60 lbs HCl(l) = 60 lbs HCl(g). 60 lbs is 748 moles and at 1 atm and 25C equals 18,284 L of HCl gas or 645 cf of gas/cyl.						
Vendors:	**Kanto**						
5407359	Hydrochloric Acid 36% USLI Selectipur	6.500	68 PC	442.00	0.03296	0.15	☐
	HCl gas generated in bottle: Bottle volume 2.5L. VP of HCl over 36.63% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 2.5L; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 2.142E-3 lbs HCl/bottle or 3.296E-2% HCl.						
5510631	Hydrochloric Acid 35-37%	517.500	199 DR	102,982.50	0.03568	36.74	☐
Returned with Dip tube not cleaned	HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.568E-2% HCl. Checked net wt/drum should be 230 Kg or 517.5 lbs						
Vendors:	**Schumacher**						
10199	Trans LC (1,2-dichloroethene)	3.087	9 BTL	27.78	75.22	20.90	☑
	1. Fab 1: Trans LC will be used in the argon annealing furnace as a cleaning agent to clean the tube. It will be delivered to the tube via carrier gas and react with oxygen to form HCl and other compounds. The HCl will remove metals in the process tube. The chamber is exhausted to the HPM system. Chloride: C2H2Cl2 73.14% Cl						

SCOEPA00052687

TRI Reportable Chemicals 2004

Usage greater than zero and only 2004 (see Q, <1/1/05)

CAS # **7647010** **Hydrogen Chloride gas**

Vendors: **Univar**

10446	Hydrochloric Acid 33% in tote	1,900.000	5	TOT	9,500.00	0.03414	3.24	☑

Used in RODI as a temporary replacement for Day tank. The material usually comes in drums but because of problems with a leak in the day, Univar send a tote. Tote is fitted with a vacuum break vent to prevent HCl aerosol release.
HCl gas generated in tote: Tote volume is about 200 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 200 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.6486 lbs HCl/tote or 3.414E-2% HCl.

5407352	Hydrochloric Acid, Semi Grade 37% Drum	475.000	6	DR	2,850.00	0.03241	0.92	☐

Used for regeneration of mixed beds in Fab 1. Discharged to WAD. HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.241E-2% HCl.

Checked drum net weight should be 475 lbs/drum

646079	Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	1.000	19700	LBS	19,700.00	0.03563	7.02	☑

Used in regeneration of Mixed beds and discharged to WAD.
HCl gas generated in tank: Tank filled twice a year, max volume 5000 gal. VP of HCl over 32.16% (w/w) soln at 30C (303K) is 43.6 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 43.6 mm; V = 5000 gal; R =0.08206 L*atm/(mole*K) and T = 303K.
Gives 3.51 lbs HCl/fill. 19700 lbs represent one fill to the tank or about 2000 gallons.
So for 2 fills equals 7.02 lbs of HCl from 19700 lbs or 0.03563%

Total lbs *621,671.94* **Sum** *434,542.60*

SCOEPA00052688

TRI Chemical 2004

Usage greater than zero and only 2004 (see Q, <1/1/05)

CAS # 7647010 *Hydrogen Chloride gas*

Material #	Material Name	lbs/Unit	Usage	lbs	%	Total lbs	
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.000	3525 CYL	211,500.00	100	211,500.00	☐
	Anhydrous HCl used in EPI process. A study was made of the amount of material returned to vendor. It was found that anywhere from zero to 30 lbs of HCl was left in those cylinders used in Fab 1. The current Fab 1 estimate is that the average returned is 8.3 lbs per cylinder but Andrew Huynh feels that we are using 80% of each cylinder or leaving about 12 lbs of HCl remaining in each cylinder. Berry Kelly estimates that cylinders used in Fab 2 are returned with 11lbs of HCl remaining in each cylinder. No. of cf of gas per cyl: 60 lbs HCl(l) = 60 lbs HCl(g). 60 lbs is 748 moles and at 1 atm and 25C equals 18,284 L of HCl gas or 645 cf of gas/cyl.						
5515177	HCL high purity in cyl 60lb HCl/cyl (Air Liq) (flagged to be del	60.000	102 CYL	6,120.00	100	6,120.00	☐
	Anhydrous HCl used in EPI process. A study was made of the amount of martial returned to vendor. It was found that anywhere from zero to 30 lbs of HCl was left in those cylinders used in Fab 1. The current Fab 1 estimate is that the average returned is 8.3 lbs per cylinder but Andrew Huynh feels that we are using 80% of each cylinder or leaving about 12 lbs of HCl remaining in each cylinder. Berry Kelly estimates that cylinders used in Fab 2 are returned with 11lbs of HCl remaining in each cylinder. No. of cf of gas per cyl: 60 lbs HCl(l) = 60 lbs HCl(g). 60 lbs is 748 moles and at 1 atm and 25C equals 18,284 L of HCl gas or 645 cf of gas/cyl.						
646079	Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	1.000	19700 LBS	19,700.00	0.03563	7.02	☑
	Used in regeneration of Mixed beds and discharged to WAD. HCl gas generated in tank: Tank filled twice a year, max volume 5000 gal. VP of HCl over 32.16% (w/w) soln at 30C (303K) is 43.6 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 43.6 mm; V = 5000 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 3.51 lbs HCl/fill. 19700 lbs represent one fill to the tank or about 2000 gallons. So for 2 fills equals 7.02 lbs of HCl from 19700 lbs or 0.03563%						
10446	Hydrochloric Acid 33% in tote	1,900.000	5 TOT	9,500.00	0.03414	3.24	☑
	Used in RODI as a temporary replacement for Day tank. The material usually comes in drums but because of problems with a leak in the day, Univar send a tote. Tote is fitted with a vacuum break vent to prevent HCl aerosol release. HCl gas generated in tote: Tote volume is about 200 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 200 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.6486 lbs HCl/tote or 3.414E-2% HCl.						
5510631	Hydrochloric Acid 35-37%	517.500	199 DR	102,982.50	0.03568	36.74	☐
	HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.568E-2% HCl. Checked net wt/drum should be 230 Kg or 517.5 lbs						
5407359	Hydrochloric Acid 36% USLI Selectipur	6.500	68 PC	442.00	0.03296	0.15	☐
	HCl gas generated in bottle: Bottle volume 2.5L. VP of HCl over 36.63% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 2.5L; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 2.142E-3 lbs HCl/bottle or 3.296E-2% HCl.						
5407352	Hydrochloric Acid, Semi Grade 37% Drum	475.000	6 DR	2,850.00	0.03241	0.92	☐
	Used for regeneration of mixed beds in Fab 1. Discharged to WAD. HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.241E-2% HCl. Checked drum net weight should be 475 lbs/drum						
10199	Trans LC (1,2-dichloroethene)	3.087	9 BTL	27.78	75.22	20.90	☑
	1. Fab 1: Trans LC will be used in the argon annealing furnace as a cleaning agent to clean the tube. It will be delivered to the tube via carrier gas and react with oxygen to form HCl and other compounds. The HCl will remove metals in the process tube. The chamber is exhausted to the HPM system. Chloride: C2H2Cl2 73.14% Cl						
10346	Trans LC (trans 1,2-dichloroethene)	4.157	36 BTL	149.66	75.22	112.57	☑
	1. Fab 2: Trans LC will be used in the argon annealing furnace as a cleaning agent to clean the tube. It will be delivered to the tube via carrier gas and react with oxygen to form HCl and other compounds. The HCl will remove metals in the process tube. The chamber is exhausted to the HPM system.						
5536853	Trichlorosilane (TCS) Electronic Grade	550.000	40 CYL	22,000.00	80.753	17,765.66	☐
	New type of valve system. This will, in time, replace SAP # 5407449. 33 cylinders received without SAP# plus 7 received as 5536853. Total for year 40						
5407449	Trichlorosilane Grade 5	550.000	448 CYL	246,400.00	80.753	198,975.39	☐
	Each mole of TCS used in the EPI process generated 3 moles of HCl. Formula wt TCS is 135.452 and Formula wt. Of HCl is 36.461. The % TCS as HCl is (3x36.461)x(100)/135.452 = 80.753%						
			Total lbs	621,671.94	**Sum**	434,542.60	

SCOEPA00052689

TRI Reportable Chemicals 2004

Usage greater than zero and only 2004 (see Q, <1/1/05)

CAS # **7647011** **Hydrochloric Acid (liquid)**

Material #	*Material Name*	*lbs/Unit*	*Usage*	*lbs*	*%*	*Total lbs*	
Vendors:	**Kanto**						
5510631	Hydrochloric Acid 35-37%	517.500	199 DR	102,982.50	37	38,103.53 ✓	☐
	HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.568E-2% HCl.						
	Checked net wt/drum should be 230 Kg or 517.5 lbs						
5407359	Hydrochloric Acid 36% USLI Selectipur	6.500	68 PC	442.00	37	163.54 ✓	☐
	HCl gas generated in bottle: Bottle volume 2.5L. VP of HCl over 36.63% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 2.5L; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 2.142E-3 lbs HCl/bottle or 3.296E-2% HCl.						
Vendors:	**Ramsey**						
10473	Tannin Stain Remover	8.679	1 GAL	8.68	3	0.26	☑
	Janitorial supply so except from TRI						
Vendors:	**Univar**						
10446	Hydrochloric Acid 33% in tote	1,900.000	5 TOT	9,500.00	33	3,135.00 ✓	☑
	Used in RODI as a temporary replacement for Day tank. The material usually comes in drums but because of problems with a leak in the day, Univar send a tote. Tote is fitted with a vacuum break vent to prevent HCl aerosol release. HCl gas generated in tote: Tote volume is about 200 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 200 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.6486 lbs HCl/tote or 3.414E-2% HCl.						
5407352	Hydrochloric Acid, Semi Grade 37% Drum	475.000	6 DR	2,850.00	37	1,054.50 ✓	☐
	Used for regeneration of mixed beds in Fab 1. Discharged to WAD. HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.241E-2% HCl.						
	Checked drum net weight should be 475 lbs/drum						
646079	Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	1.000	19700 LBS	19,700.00	32	6,304.00 ✓	☑
	Used in regeneration of Mixed beds and discharged to WAD. HCl gas generated in tank: Tank filled twice a year, max volume 5000 gal. VP of HCl over 32.16% (w/w) soln at 30C (303K) is 43.6 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 43.6 mm; V = 5000 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 3.51 lbs HCl/fill. 19700 lbs represent one fill to the tank or about 2000 gallons. So for 2 fills equals 7.02 lbs of HCl from 19700 lbs or 0.03563%						

Total lbs 135,483.18 **Sum** 48,760.83

SCOEPA00052690

TRI Reportable Chemicals 2004

Usage greater than zero and only 2004 (see Q, <1/1/05)

CAS # 7647010 **Hydrogen Chloride gas**

Material #	*Material Name*	*lbs/Unit*	*Usage*	*lbs*	*%*	*Total lbs*	
Vendors:							
10346	Trans LC (trans 1,2-dichloroethene)	4.157	36 BTL	149.66	75.22	112.57 ✓	☑
	1. Fab 2: Trans LC will be used in the argon annealing furnace as a cleaning agent to clean the tube. It will be delivered to the tube via carrier gas and react with oxygen to form HCl and other compounds. The HCl will remove metals in the process tube. The chamber is exhausted to the HPM system.						
Vendors:	**Air Liquide**						
5515177	HCL high purity in cyl 60lb HCl/cyl (Air Liq) (flagged to be del	60.000	102 CYL	6,120.00	100	6,120.00 ✓	☐
	Anhydrous HCl used in EPI process. A study was made of the amount of martial returned to vendor. It was found that anywhere from zero to 30 lbs of HCl was left in those cylinders used in Fab 1. The current Fab 1 estimate is that the average returned is 8.3 lbs per cylinder but Andrew Huynh feels that we are using 80% of each cylinder or leaving about 12 lbs of HCl remaining in each cylinder. Berry Kelly estimates that cylinders used in Fab 2 are returned with 11lbs of HCl remaining in each cylinder. No. of cf of gas per cyl: 60 lbs HCl(l) = 60 lbs HCl(g). 60 lbs is 748 moles and at 1 atm and 25C equals 18,284 L of HCl gas or 645 cf of gas/cyl.						
Vendors:	**BOC**						
5536853	Trichlorosilane (TCS) Electronic Grade	550.000	40 CYL	22,000.00	80.753	17,765.66 ✓	☐
	New type of valve system. This will, in time, replace SAP # 5407449. 33 cylinders received without SAP# plus 7 received as 5536853. Total for year 40						
5407449	Trichlorosilane Grade 5	550.000	448 CYL	246,400.00	80.753	198,975.39 ✓	☐
	Each mole of TCS used in the EPI process generated 3 moles of HCl. Formula wt TCS is 135.452 and Formula wt. Of HCl is 36.461. The % TCS as HCl is (3x36.461)x(100)/135.452 = 80.753%						
5407448	HCl Gr 5 EPI 200# CYL (BOC)	60.000	3525 CYL	211,500.00	100	211,500.00 ✓	☐
	Anhydrous HCl used in EPI process. A study was made of the amount of material returned to vendor. It was found that anywhere from zero to 30 lbs of HCl was left in those cylinders used in Fab 1. The current Fab 1 estimate is that the average returned is 8.3 lbs per cylinder but Andrew Huynh feels that we are using 80% of each cylinder or leaving about 12 lbs of HCl remaining in each cylinder. Berry Kelly estimates that cylinders used in Fab 2 are returned with 11lbs of HCl remaining in each cylinder. No. of cf of gas per cyl: 60 lbs HCl(l) = 60 lbs HCl(g). 60 lbs is 748 moles and at 1 atm and 25C equals 18,284 L of HCl gas or 645 cf of gas/cyl.						
Vendors:	**Kanto**						
5407359	Hydrochloric Acid 36% USLI Selectipur	6.500	68 PC	442.00	0.03296	0.15	☐
	HCl gas generated in bottle: Bottle volume 2.5L. VP of HCl over 36.63% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 2.5L; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 2.142E-3 lbs HCl/bottle or 3.296E-2% HCl.						
5510631	Hydrochloric Acid 35-37%	517.500	199 DR	102,982.50	0.03447	35.50	☐
	HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.568E-2% HCl. Checked net wt/drum should be 230 Kg or 517.5 lbs						
Vendors:	**Schumacher**						
10199	Trans LC (1,2-dichloroethene)	3.087	9 BTL	27.78	75.22	20.90 ✓	☑
	1. Fab 1: Trans LC will be used in the argon annealing furnace as a cleaning agent to clean the tube. It will be delivered to the tube via carrier gas and react with oxygen to form HCl and other compounds. The HCl will remove metals in the process tube. The chamber is exhausted to the HPM system. Chloride: C2H2Cl2 73.14% Cl						

SCOEPA00052691

TRI Reportable Chemicals 2004

Usage greater than zero and only 2004 (see Q, <1/1/05)

CAS # **7647010** **Hydrogen Chloride gas**

Vendors: **Univar**

10446	Hydrochloric Acid 33% in tote	1,900.000	5	TOT	9,500.00	0.03414	3.24	☑

Used in RODI as a temporary replacement for Day tank. The material usually comes in drums but because of problems with a leak in the day, Univar send a tote. Tote is fitted with a vacuum break vent to prevent HCl aerosol release.
HCl gas generated in tote: Tote volume is about 200 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 200 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.6486 lbs HCl/tote or 3.414E-2% HCl.

5407352	Hydrochloric Acid, Semi Grade 37% Drum	475.000	6	DR	2,850.00	0.03755	1.07	☐

Used for regeneration of mixed beds in Fab 1. Discharged to WAD. HCl gas generated in drum: Tank volume 55 gal. VP of HCl over 36.6% (w/w) soln at 30C (303K) is 201.4 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 201.4 mm; V = 55 gal; R =0.08206 L*atm/(mole*K) and T = 303K. Gives 0.1784 lbs HCl/drum or 3.241E-2% HCl.

Checked drum net weight should be 475 lbs/drum

646079	Hydrochloric Acid 32% Ultramax 100 [for UPW Bulk]	1.000	19700	LBS	19,700.00	0.03563	7.02	☑

Used in regeneration of Mixed beds and discharged to WAD.
HCl gas generated in tank: Tank filled twice a year, max volume 5000 gal. VP of HCl over 32.16% (w/w) soln at 30C (303K) is 43.6 mm. lbs HCl gas = (PV/RT) x 36.46 g/mole x 3.785 L/gal x 2.205 lbs/Kg/(1000 g/Kg x 760 mm/atm). Where P = 43.6 mm; V = 5000 gal; R =0.08206 L*atm/(mole*K) and T = 303K.
Gives 3.51 lbs HCl/fill. 19700 lbs represent one fill to the tank or about 2000 gallons.
So for 2 fills equals 7.02 lbs of HCl from 19700 lbs or 0.03563%

Total lbs 621,671.94 **Sum** 434,541.50

SCOEPA00052692

SARA 313 2043

Hydrogen Fluoride (7664-39-3)

All of the hydrofluoric acid is used to etch or clean silicon (otherwise use).

Annual Usage

Material Name	Material Number	Usage	UOM	lbs/UOM	lbs	% as HF	Total lbs as HF	
Wright Etch	10004	64	GAL	9.35	598.27	12.5	75	These items are
Seiter Etch	10154	0	PL	50.08	0.00	5.0	0	used in the testing
Buffered HF	10157	63	BTL	9.00	567.00	7.0	40	of wafers in the
Poly Etch 70:2:28	10158	13	CS	47.41	616.33	2.0	12	MC/AC lab. They
Silicon Standard 10,000 ppm (125mL/btl)	10176	12	BTL	0.28	3.31	5.0	0.17	are not used in the
Seiter Etch in 30 gal ctn	10184	1	PL	351	351.00	5.0	18	production of
Hydrofluoric Acid 49% Ultrex II	10222	37	BTL	1.32	48.95	49.0	24	wafers.
Hydrofluoric Acid, 49% bulk	5407351	97498	LBS	1.00	97,498.00	49.0	47,774	
Hydrofluoric Acid 49% Class 10 grade Drum, 500 L	5407355	119	DR	500.00	59,500.00	49.0	29,155	
Hydrofluoric Acid 26.3% finite grade	5414519	44	BTL	9.61	423.02	26.3	111	
HYDROFLUORIC ACID 50% 2 liter [density=1.2]	5416108	81	BTL	5.29	428.57	50.0	214	
HYDROFLUORIC ACID 60% Bulk Fab2	5416491	127972	LBS	1.00	127,972.00	60.0	76,783	

The reportable quantity of hydrofluoric acid used in 2003 is: 154,206

This is above the TRI otherwise use threshold of 10,000 pounds.

SCOEPA00052693

Maximum Amount On-Site in 2001 (Section 4)

The maximum quantity of HF on-site will be based on the maximum capacity of the HF bulk acid storage tanks, the capacity of the maximum number of individual containers containing HF stored at one time, and the capacity and HF concentration of the waste water forwarding sumps. Since all process areas using HF discharge to the sumps, it is assumed that HF located in process areas is accounted for in the sumps.

HF storage in tanks

Location	Maximum Capacity	unit	lbs
Fab 1 49% HF (2 tanks)	45000	lb	45000
Fab 1 49% HF Day Tank	190	L	494
Fab 1 49% HF process Tanks/baths	111	L	289
Total lbs of 49%HF			**45,783**

Location	Maximum Capacity	unit	lbs
Fab 2 60% HF Tank -1	4000	gal	38387
Fab 2 60% HF Tank -2	4000	gal	38387
Fab 2 60% HF Day Tank	113	L	287
Fab 2 60% I	59	L	150
Total lbs of 60% HF			**77,210**

Material Name	Mat No	max in use	max on hand	UOM	lbs/UOM	lbs	% as HF	lbs as HF
Wright Etch	10004	1	4	GAL	9.35	46.74	12.5	6
Seiter Etch	10154	1	2	PL	50.08	150.23	5.0	8
Buffered HF	10157	1	1	BTL	9.00	18.00	7.0	1
Poly Etch 70:2:28	10158	1	2	CS	47.41	142.23	2.0	3
Silicon Standard 10,000 ppm (125mL/btl)	10176	1	2	BTL	0.28	0.83	5.0	0.04
Seiter Etch in 30 gal ctn	10184	1	1	PL	351.00	702.00	5.0	35.10
Hydrofluoric Acid 49% Ultrex II	10222	2	12	BTL	1.32	18.52	49.0	9
Hydrofluoric Acid, 49% bulk	5407351		45783	LBS	1.00	45,783.09	49.0	22,434
Hydrofluoric Acid 49% Class 10 grade Drum, 500 L	5407355	2	6	DR	500.00	4,000.00	49.0	1,960
Hydrofluoric Acid 26.3% finite grade	5414519	4	8	BTL	9.61	115.37	26.3	30
HYDROFLUORIC ACID 50% 2 liter [density=1.2]	5416108	10	16	BTL	5.29	137.57	50.0	69
HYDROFLUORIC ACID 60% Bulk Fab2	5416491		77210	LBS	1.00	77,210.10	60.0	46,326

lbs of HF in Bulk storage tanks and max number of ctns on site 70,881

The concentrated acid forwarding sumps have the following volumes

The concentration of fluoride ions in the CAD waste water range from 300 to 500 ppm . The concentration of HF in the CAED should be the same as in the etching baths (approx. 6% per Fab 2 Acid Etch HF & HNO3 Amounts.xls).

Forwarding Sump	max gal	conc.	Unit	lbs as HF
Fab 1 CAD	10,000	500	as ppm F (mg/L)	44
Fab 2 CAD	16,000	500	as ppm F (mg/L)	70
Fab 2 CAED	8,000	6	% as HF (w/w)	5,207
			lb HF in forwarding sump	5,322

density of CAD	1.0
FW F ion	19.00
FW HF	20.01
Kg to lbs	2.205
gal to L	3.785
gal water to lbs water	8.345
Density of CAED	1.3
Density of 49% HF	1.18
Density of 60% HF	1.15

max lbs HF on site **76,202**

SCOEPA00052694

Section 5 Fugitive Emissions

Fugitive Emissions (Section 5.1)

Fugitive emissions include (1) equipment leaks from valves, pump seals, flanges, compressors, sampling connections, open-ended lines, etc.; (2) evaporative losses from surface impoundment's (or open top tanks) and spills; (3) releases from building ventilation systems; and (4) any other fugitive or non-point air emissions (see page 31 of EPA 745-K-99-001). We use an engineering estimate that **0.1% of each acid used will be released as fugitive emissions. Fugitive emissions are calculated by multiplying the reportable annual quantity of each acid by 0.001.**

All of the fugitive emission estimates are based on best engineering judgement (basis of estimate code = O).

lbs of HF used (from HF Usage)	Fugitive Emissions factor	lbs HF Emissions
154,206	0.001	**154**

Stack Emissions (Section 5.2)

Stack emissions were measured by air sampling and IC analysis. IC results and calculations below

HF Air Emissions Testing 3/31/03-5/9/03	F		HF	
Fab 1	**ug/m3**	**cfm**	**lbs/yr**	
Section 8 Acid Scrubber	0.60	18,000	0.37	
Acid Etch Fume Scrubber	226	13,000	101.41	
Epi Fume Scrubber	0.21	21,000	0.15	
NOx Scrubber (note: <2.5 ug/m3)	2.5	15,000	1.29	
Furnace Center (F123) Exhaust	543	1,250	23.43	
Fab 2				
HPM Scrubber	125	26,000	112.06	
General Exhaust	39.5	88,500	120.66	
		subtotal	359.38	**lbs/yr**

Fab 1 Epi	**F ug**	**sample rate l/min**	**exhaust rate l/min**	**wafers**	**avg wafers/mo**	**max wafers/mo**	**HF avg lbs/yr**	**HF max lbs/yr**
AMT Reactor 7	3	1.204	250	130	42500	90000	0.006	0.012
ASM Reactor 27	20	1.131	220	136	70000	90000	0.056	0.072
G3 Reactor 46	21	1.097	330	32	8000	11000	0.044	0.060
					avg wafers/day	**max wafers/day**		
Fab 2 Epi								
ASM Reactor Scrubbers (based on Reactor 6)	2.3	1.118	80	96	300	600	0.000	0.001
Centura Reactor Scrubbers (based on Reactor 9A)	2.2	1.121	80	134	2000	2400	0.002	0.002
						subtotals	0.108	0.147
						avg	**max**	
					Annual HF Emissions	359	360	**lbs**

SCOEPA00052695

Discharges to Streams and Water Bodies (Section 5.3)

Per EPA guidance, "For purposes of reporting on Form R, EPA considers a waste mineral acid at a pH 6 or higher to be 100 percent neutralized Wacker 's NPDES permit limits for pH are 6.0 and 9.0. Therefore zero HF discharged to streams and water bodies.

SCOEPA00052696

Section 6 Transfers of HF off -site

Transfers to the POTW (Section 6.1)

Zero. HF drains and scrubbers discharge to the CAED or CAD and go to the NPDES system pH of effluent to the Willamette River is between 6.0 & 9.0. No HF released under these conditions.

Transfers to Other Off-site Locations (Section 6.2)

General Chemical 501 Nichols Road, Pittsberg, CA, Contra Costa 94565, CAD 009142290

Material Name	Material Number	Usage	UOM	lbs/UOM	lbs	% as HF	Total lbs as HF
Hydrofluoric Acid 49% Class 10 grade Drum, 500 L	5407355	119	DR	500.00	59,500.00	49.00	29,155

% Residual quantity in drums 3.28

Total lbs of HF returned in drums **956**

Drums are returned to general Chemical, rinsed and re-filled

Kevin O'Kelley with General Chemical says that there is no material left in the drums (By phone 6/13/03). Gen Chem would not and can not accept any drums that contained any un-used material. He feels that the use of the dip-tube insures that drums are empty. However, the TRI Hotline says that: if material is in the drums, we should report it on TRI. Gen Chem interpretation is based on RCRA & DOT for the definition of an empty drum. TRI is a best estimate of material in drums (by phone 6/13/03)

TPS Technologies TPST Soil Recyclers of Oregon 9333 N. Harborgate Street, Portland OR, Multnomah 97203, ORD000005280

Material Name	Material Number	Usage	UOM	lbs/UOM	lbs	% as HF	Total lbs as HF
Filler Cake Press	1155	1651200	lbs	1.00	1,651,200.00	0.0	**0**

HF converted to calcium fluoride no free HF

Spent Acid B sold to PCC

Material Name	Material Number	Usage	UOM	lbs/UOM	lbs	% as HF	Total lbs as HF	
PCC	**1171**	**842840**	**lbs**	**1**	**842840**	**1.58**	**13,317**	this material is not in see 6.2c pg 50 TRI ir

Total Lbs HF shipped off-site **0**

SCOEPA00052697

On-Site Waste Treatment Methods & Efficiency (Section 7)

Section 7A

	Qty Released
Fugitive emissions	154
Stack emissions	360
Qty released in lbs	**514**

	Qty Treated Off-site
General Chemical	956
TPS Technologies	0
Total lbs Off-site	**956**

Total Used	154,206
Sold to PCC as product	13,317
Lbs Treated On Site	**139,419**

Efficiency of Treatment

lbs of fluoride ion to river	19,131	by analysis
lbs of fluoride ion to POTW	3,184	by analysis
total lbs as fluoride ion from WWTP	22,315	
total lbs as HF from WWTP	23,501	
% Removal	**83**	

SCOEPA00052698