CYCLE CHEM
RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEETS
PRODUCT CODE _____
PROCESS CODE _____

A. GENERATOR INFORMATION

GENERATOR US EPA I.D. NJD980532907
GENERATOR STATE I.D. _____

GENERATOR NAME USEPA REGION II
PICK-UP ADDRESS IDEAL COOPERAGE SITE
3-25 NEW YORK AVENUE
JERSEY CITY, NJ 07307

BILLING ADDRESS IF DIFFERENT S+D 2 GOURMET LANE
EDISON NJ 08837
CONTACT ACCTS PAYABLE

TECHNICAL CONTACT DAN HARKAY (EPA) / ED TWILEY TITLE USEPA OSC / SUPERVISOR PHONE 908 549-8778
NAME OF WASTE WASTE ALKALINE LIQUID - AQUEOUS
PROCESS GENERATING WASTE CERCLA Cleanup of Abandoned Drum Recyling Facility

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION: Clear/White Liquid

☒ WASTEWATER
☒ NONWASTEWATER

STRONG INCIDENTAL ODOR PRESENT? ☐ YES ☒ NO
DESCRIBE _____

PHYSICAL STATE @ 70°F: ☐ SOLID ☒ LIQUID ☐ POWDER ☐ SEMI-SOLID ☐ SINGLE PHASE ☐ BI-LAYERED ☐ MULTI-LAYERED ☐ SLUDGE

FREE LIQUIDS: ☒ YES 99% ☐ NO
Pumpable? ☒ YES ☐ NO
Pourable? ☒ YES ☐ NO

CORROSIVITY (pH): ☐ ≤2.0 ☐ 2.01-5 ☐ 5.01-9 ☐ 9.01-12.49 ☒ ≥12.50 ☐ EXACT pH _____

SPECIFIC GRAVITY: ☐ <.8 ☐ .8-1.0 ☒ 1.0-1.2 ☐ EXACT _____ ☐ 1.2-1.4 ☐ 1.4-1.7 ☐ >1.7

FLASH POINT: ☐ <70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☐ 140°F - 200°F ☒ >200°F ☐ NO FLASH ☐ EXACT _____
IGNITABLE (if solid) ☐ YES ☐ NO ☐ CLOSED CUP ☐ OPEN CUP

LIQUID/SOLID:
% Total Solids 1-5
% Suspended Solids _____
% Dissolved Solids _____
% Free Liquids 99

C. OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS ANY OF THE FOLLOWING:

☐ RCRA REACTIVE
☐ WATER REACTIVE
☐ EXPLOSIVE
☐ SHOCK SENSITIVE
☐ PYROPHORIC
☐ RADIOACTIVE
☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE
☐ OTHER _____
☒ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS _____

D. CHEMICAL COMPOSITION

1.

	RANGE MIN.-MAX.
WATER	90 - 100 %
Sodium Hydroxide	2 - 10 %
Potassium Hydroxide	0 - 1 %
	- %
	- %
	- %
	- %
	- %
	- %
TOTAL	100 %

PLEASE NOTE: The chemical composition total in the maximum column must be greater than or equal to 100%.

ALSO LIST ALL SUBSTANCES REGULATED UNDER OSHA 1910.1000, SUBPART Z.

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

	NONE	or LESS THAN	or ACTUAL
PCB's	☒	☐ <50 ppm	_____ ppm
Cyanides	☒	☐ <250 ppm	_____ ppm
Phenolics	☒	☐ <50 ppm	_____ ppm
Sulfides	☒	☐ <500 ppm	_____ ppm

☐ MSDS ATTACHED
☒ SUPPLEMENTAL ANALYSIS ATTACHED
DESCRIBE: ORGANICS AND TOTAL METALS

NO. OF PAGES ATTACHED: _____

194990

E. METALS (mg/kg or ppm) ☐ EP TOX ☐ TCLP ☒ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	☐ <5.0	<2	Hexachlorobenzene	D032	☐ <0.13	NP
Barium	D005	☐ <100	<10	Hexachloro-1,3-butadiene	D033	☐ <0.5	NP
Benzene	D018	☐ <0.5	NP	Hexachloroethane	D034	☐ <3.0	NP
Cadmium	D006	☐ <1.0	<1	Lead	D008	☐ <5.0	<5
Carbon tetrachloride	D019	☐ <0.5	NP	Lindane	D013	☐ <0.4	NP
Chlordane	D020	☐ <0.03	NP	Mercury	D009	☐ <0.2	<.1
Chlorobenzene	D021	☐ <100.0	NP	Methoxychlor	D014	☐ <10.0	NP
Chloroform	D022	☐ <6.0	NP	Methyl ethyl ketone	D035	☐ <200.0	NP
Chromium	D007	☐ <5.0	<5	Nitrobenzene	D036	☐ <2.0	NP
o-Cresol	D023	☐ <200.0	NP	Pentachlorophenol	D037	☐ <100.0	NP
m-Cresol	D024	☐ <200.0	NP	Pyridine	D038	☐ <5.0	NP
p-Cresol	D025	☐ <200.0	NP	Selenium	D010	☐ <1.0	<1
Cresol	D026	☐ <200.0	NP	Silver	D011	☐ <5.0	<5
2,4-D	D016	☐ <10.0	NP	Tetrachloroethylene	D039	☐ <0.7	NP
1,4-Dichlorobenzene	D027	☐ <7.5	NP	Toxaphene	D015	☐ <0.5	NP
1,2-Dichloroethane	D028	☐ <0.5	NP	Trichloroethylene	D040	☐ <0.5	NP
1,1-Dichloroethylene	D029	☐ <0.7	NP	2,4,5-Trichlorophenol	D041	☐ <400.0	NP
2,4-Dinitrotoluene	D030	☐ <0.13	NP	2,4,6-Trichlorophenol	D042	☐ <2.0	NP
Endrin	D012	☐ <0.02	NP	2,4,5-TP (Silvex)	D017	☐ <1.0	NP
Heptachlor (and its hydroxide)	D031	☐ <0.008	NP	Vinyl chloride	D043	☐ <0.2	NP

F. LIQUID WASTE CHARACTERISTICS
Fuels and WWT Candidates

ORGANIC PHASE _____ %
+ AQUEOUS PHASE 100 % = 100%

RANGE

HEAT VALUE _____ BTU/lb
TOTAL HALOGENS ___ % _____ mg/l
ASH CONTENT _____ %
% SULFUR ☐ <0.5% _____ %
BS&W _____ %
WATER CONTENT _____ %
VISCOSITY (cps): _____ @ _____ °F
TOC 6570 mg/l
COD _____ mg/l
BOD _____ mg/l
OIL & GREASE _____ mg/l
TOX _____ mg/l
HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☐ BULK LIQUID
☐ BULK SOLID
☐ DT ☐ RO
☒ DRUM (SIZE) 55
☐ OTHER (SPECIFY) _____

ANTICIPATED VOLUME ☒ GALS. ☒ DRUMS
55 (QUANTITY) ☐ TONS ☐ CUBIC YDS.
PER ☐ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: S+D ENVIRONMENTAL
TRANSPORTER PHONE/CONTACT: 908 549-8778/ED Twille
TRANSPORTER USEPA I.D. NJ D982749260

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) D002
APPLICABLE SUBCATEGORIES CORROSIVE LIQUID
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) D002
D.O.T. HAZARDOUS WASTE? ☒ YES ☐ NO
PROPER SHIPPING NAME
RQ WASTE ALKALINE LIQUID NOS
HAZARD CLASS CORROSIVE MATERIAL I.D. NO. NA1719 R.Q. _____

H. WASTE CERTIFICATION

1. Does this waste material contain polychlorinated biphenyls? YES _____ NO X
2. Does this waste material contain herbicides or pesticides as described in the CFR Part 861.24 Table #1, Hazard #'s DO12-DO17? YES _____ NO X
3. Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all USEPA waste types F001, F002, F003, F004, F005 as per CFR 40 Section 251.31? YES _____ NO X
4. Does this waste material contain leachable levels of any of the metals covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.24? YES _____ NO X
5. Does this waste contain any dioxins as specified by 40 CFR 261.31 Hazardous #'s F020, F021, F022, F023, F026, F027, F028? YES _____ NO X
6. Is this waste material a "California List" waste, as per CFR 40 Section 268.32? YES _____ NO X
7. Does this waste material contain D018-D043 as per CFR 40 Section 261.24 (Fed. Reg. 3/29/90)? YES _____ NO X
8. Does this waste material contain "U", "K" or "P" wastes as defined per CFR 40 Section 261.33? YES _____ NO X
9. Is this waste considered non-hazardous by USEPA standard? YES _____ NO X

PCB ≥ 50 Ni ≥ 134
HOC ≥ 1000 Th ≥ 130

AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL Initial: _____

I. MPS CHANGE VERIFICATION

I hereby authorize CYCLE CHEM to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue my approval. Initial: _____

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS, then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Dan Harkay
Authorized Signature

USEPA Reg II on scene coordinator
Title

DAN HARKAY
Name (Print or Type)

9/6/91
Date

CYCLE CHEM

RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEETS
PRODUCT CODE _____
PROCESS CODE _____

A. GENERATOR INFORMATION

GENERATOR US EPA I.D. NJD980532907
GENERATOR STATE I.D. _____

GENERATOR NAME USEPA REGION II
PICK-UP ADDRESS IDEAL COOPERAGE SITE
3-25 New York Ave
Jersey City NJ 07307

BILLING ADDRESS IF DIFFERENT
S+D 2 GOURMET LANE
EDISON NJ 08837
CONTACT ACCTS PAYABLE

TECHNICAL CONTACT DAN HARKAY (EPA) / ED Twilley TITLE OSC / SUPERVISOR PHONE 908 549-8778
NAME OF WASTE INERT SOLIDS
PROCESS GENERATING WASTE CERCLA Cleanup of Abandoned Drum Recycling Facility

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION MULTI-COLORED ~~[illegible]~~ POWDER ~~[illegible]~~

☐ WASTEWATER
☒ NONWASTEWATER

STRONG INCIDENTAL ODOR PRESENT? ☒ YES ☐ NO
DESCRIBE Slight PAINT

PHYSICAL STATE @ 70°F
☒ SOLID ☐ LIQUID ☐ POWDER ☐ SEMI-SOLID
☒ SINGLE PHASE ☐ BI-LAYERED ☐ MULTI-LAYERED ☐ SLUDGE

FREE LIQUIDS
☐ YES ___% ☒ NO
Pumpable? ☐ YES ☒ NO
Pourable? ☐ YES ☒ NO

CORROSIVITY (pH)
☐ ≤2.0 ☐ 2.01-5 ☒ 5.01-9 ☐ 9.01-12.49 ☐ ≥12.50 ☐ EXACT pH _____

SPECIFIC GRAVITY
☐ <.8 ☐ .8-1.0 ☐ 1.0-1.2 ☐ EXACT _____ ☐ 1.2-1.4 ☐ 1.4-1.7 ☒ >1.7

FLASH POINT
☐ <70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☐ 140°F - 200°F ☒ >200°F ☐ NO FLASH ☐ EXACT _____
IGNITABLE (if solid) ☐ YES ☐ NO ☐ CLOSED CUP ☐ OPEN CUP

LIQUID/SOLID
% Total Solids 100
% Suspended Solids _____
% Dissolved Solids _____
% Free Liquids _____

C. OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS ANY OF THE FOLLOWING:

☐ RCRA REACTIVE
☐ WATER REACTIVE
☐ EXPLOSIVE
☐ SHOCK SENSITIVE
☐ PYROPHORIC
☐ RADIOACTIVE
☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE
☐ OTHER _____
☒ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

D. CHEMICAL COMPOSITION

1.

	RANGE MIN.-MAX.
~~[illegible]~~	~~[illegible]~~ - ~~[illegible]~~ %
DIRT, TRASH, RUSTED METAL	10 - 30 %
CALCIUM COMPOUNDS (Lime, etc.)	5 - 10 %
INORGANIC METAL SALTS	80 - 90 %
(CONTAINING SODIUM,	- %
CALCIUM, AND IRON)	- %
VOLATILE ORGANICS	TRACE %
	- %
	- %
TOTAL	100 %

PLEASE NOTE: The chemical composition total in the maximum column must be greater than or equal to 100%.

ALSO LIST ALL SUBSTANCES REGULATED UNDER OSHA 1910.1000, SUBPART Z.

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

	NONE	or LESS THAN	or ACTUAL
PCB's	☒	☐ <50 ppm	_____ ppm
Cyanides	☐	☐ <250 ppm	_____ ppm
Phenolics	☒	☐ <50 ppm	_____ ppm
Sulfides	☒	☐ <500 ppm	_____ ppm

☐ MSDS ATTACHED
☒ SUPPLEMENTAL ANALYSIS ATTACHED
DESCRIBE: ORGANICS & METALS

NO. OF PAGES ATTACHED: _____

E. METALS (mg/kg or ppm) ☐ EP TOX ☐ TCLP ☒ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	☐ <5.0	2.12	Hexachlorobenzene	D032	☐ <0.13	NP
Barium	D005	☐ <100	3900	Hexachloro-1,3-butadiene	D033	☐ <0.5	NP
Benzene	D018	☐ <0.5	NP	Hexachloroethane	D034	☐ <3.0	NP
Cadmium	D006	☐ <1.0	7.3	Lead	D008	☐ <5.0	12.8
Carbon tetrachloride	D019	☐ <0.5	NP	Lindane	D013	☐ <0.4	NP
Chlordane	D020	☐ <0.03	NP	Mercury	D009	☐ <0.2	NP
Chlorobenzene	D021	☐ <100.0	NP	Methoxychlor	D014	☐ <10.0	NP
Chloroform	D022	☐ <6.0	NP	Methyl ethyl ketone	D035	☐ <200.0	NP
Chromium	D007	☐ <5.0	58.4	Nitrobenzene	D036	☐ <2.0	NP
o-Cresol	D023	☐ <200.0	NP	Pentachlorophenol	D037	☐ <100.0	NP
m-Cresol	D024	☐ <200.0	NP	Pyridine	D038	☐ <5.0	NP
p-Cresol	D025	☐ <200.0	NP	Selenium	D010	☐ <1.0	<1
Cresol	D026	☐ <200.0	NP	Silver	D011	☐ <5.0	<5
2,4-D	D016	☐ <10.0	NP	Tetrachloroethylene	D039	☐ <0.7	NP
1,4-Dichlorobenzene	D027	☐ <7.5	NP	Toxaphene	D015	☐ <0.5	NP
1,2-Dichloroethane	D028	☐ <0.5	NP	Trichloroethylene	D040	☐ <0.5	NP
1,1-Dichloroethylene	D029	☐ <0.7	NP	2,4,5-Trichlorophenol	D041	☐ <400.0	NP
2,4-Dinitrotoluene	D030	☐ <0.13	NP	2,4,6-Trichlorophenol	D042	☐ <2.0	NP
Endrin	D012	☐ <0.02	NP	2,4,5-TP (Silvex)	D017	☐ <1.0	NP
Heptachlor (and its hydroxide)	D031	☐ <0.008	NP	Vinyl chloride	D043	☐ <0.2	NP

F. LIQUID WASTE CHARACTERISTICS
Fuels and WWT Candidates

ORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 100%

	RANGE	
HEAT VALUE	3840	BTU/lb
TOTAL HALOGENS	3.5 %	mg/l
ASH CONTENT	31.4	%
% SULFUR ☐ <0.5%	1.07	%
BS&W		%
WATER CONTENT		%
VISCOSITY (cps):	@	°F
TOC		mg/l
COD		mg/l
BOD		mg/l
OIL & GREASE		mg/l
TOX		mg/l
HOC		mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD
☐ BULK LIQUID ☐ OTHER (SPECIFY) _____
☐ BULK SOLID
☐ DT ☐ RO
☒ DRUM (SIZE) 55

ANTICIPATED VOLUME ☐ GALS. ☒ DRUMS
3600 lbs ☐ TONS ☐ CUBIC YDS.
(QUANTITY)
PER ☒ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: S&D ENVIRONMENTAL SERVICES
TRANSPORTER PHONE/CONTACT: 549-8778 / ED TWILLEY
TRANSPORTER USEPA I.D. NJD982794260

REGULATORY INFORMATION
USEPA HAZARDOUS WASTE? ☐ YES ☐ NO
USEPA HAZARDOUS CODE(S) _____
APPLICABLE SUBCATEGORIES _____
STATE HAZARDOUS WASTE? ☐ YES ☐ NO
STATE CODE(S) _____
D.O.T. HAZARDOUS WASTE? ☐ YES ☐ NO
PROPER SHIPPING NAME _____
HAZARD CLASS _____ I.D. NO. _____ R.Q. _____

H. WASTE CERTIFICATION

1. Does this waste material contain polychlorinated biphenyls? YES _____ NO X
2. Does this waste material contain herbicides or pesticides as described in the CFR Part 861.24 Table #1, Hazard #'s DO12-DO17? YES _____ NO X
3. Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all USEPA waste types F001, F002, F003, F004, F005 as per CFR 40 Section 251.31? YES _____ NO X
4. Does this waste material contain leachable levels of any of the metals covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.24? YES _____ NO _____
5. Does this waste contain any dioxins as specified by 40 CFR 261.31 Hazardous #'s F020, F021, F022, F023, F026, F027, F028? YES _____ NO X
6. Is this waste material a "California List" waste, as per CFR 40 Section 268.32? YES _____ NO X — PCB ≥ 50, HOC ≥ 1000, Ni ≥ 134, Th ≥ 130
7. Does this waste material contain D018-D043 as per CFR 40 Section 261.24 (Fed. Reg. 3/29/90)? YES _____ NO X
8. Does this waste material contain "U", "K" or "P" wastes as defined per CFR 40 Section 261.33? YES _____ NO X
9. Is this waste considered non-hazardous by USEPA standard? YES _____ NO _____

AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL Initial: _____

I. MPS CHANGE VERIFICATION

I hereby authorize CYCLE CHEM to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue my approval. Initial: _____

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS, then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Dan Harkey — Authorized Signature
USEPA on scene coordinator — Title
DAN HARKEY — Name (Print or Type)
9/6/91 — Date

CYCLE CHEM

RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEETS
PRODUCT CODE _____
PROCESS CODE _____

A. GENERATOR INFORMATION

GENERATOR US EPA I.D. NJD980532907

GENERATOR STATE I.D. _____

GENERATOR NAME: USEPA Region II

PICK-UP ADDRESS: IDEAL COPPERAGE SITE
325 New York Ave
Jersey City, NJ 07307

BILLING ADDRESS IF DIFFERENT: STD 2 GOURMET LANE
EDISON NJ 08837

CONTACT: ACCTS PAYABLE

TECHNICAL CONTACT: DAN HARKAY (EPA) / E.O. Twitty TITLE: OSC / SUPERVISOR PHONE: 908 549-8778

NAME OF WASTE: WASTE ACID AQUEOUS LIQUID

PROCESS GENERATING WASTE: CERCLA CLEANUP OF ABANDONED DRUM

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION: CLEAR - WHITE LIQUID

- [x] WASTEWATER
- [x] NONWASTEWATER

STRONG INCIDENTAL ODOR PRESENT? [x] YES [ ] NO

DESCRIBE: ACID

PHYSICAL STATE @ 70°F
- [ ] SOLID
- [x] LIQUID
- [ ] POWDER
- [ ] SEMI-SOLID
- [ ] SINGLE PHASE
- [ ] BI-LAYERED
- [ ] MULTI-LAYERED
- [ ] SLUDGE

FREE LIQUIDS: [x] YES 99 % [ ] NO
Pumpable? [x] YES [ ] NO
Pourable? [x] YES [ ] NO

CORROSIVITY (pH)
- [x] ≤2.0
- [ ] 2.01-5
- [ ] 5.01-9
- [ ] 9.01-12.49
- [ ] ≥12.50
- [ ] EXACT pH _____

SPECIFIC GRAVITY
- [ ] <.8
- [ ] .8-1.0
- [x] 1.0-1.2
- [ ] EXACT _____
- [ ] 1.2-1.4
- [ ] 1.4-1.7
- [ ] >1.7

FLASH POINT
- [ ] <70°F
- [ ] 70°F - 100°F
- [ ] 101°F - 139°F
- [ ] 140°F - 200°F
- [x] >200°F
- [ ] NO FLASH
- [ ] EXACT _____

IGNITABLE (if solid) [ ] YES [ ] NO
[ ] CLOSED CUP
[ ] OPEN CUP

LIQUID/SOLID
- % Total Solids: 1
- % Suspended Solids: <1
- % Dissolved Solids: <1
- % Free Liquids: 99

C. OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS ANY OF THE FOLLOWING:
- [ ] RCRA REACTIVE
- [ ] WATER REACTIVE
- [ ] EXPLOSIVE
- [ ] SHOCK SENSITIVE
- [ ] PYROPHORIC
- [ ] RADIOACTIVE
- [ ] ETIOLOGICAL
- [ ] PESTICIDE MANUFACTURING WASTE
- [ ] OTHER _____
- [x] NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

D. CHEMICAL COMPOSITION

1.

	RANGE MIN.-MAX.
WATER	99 - 100 %
ACIDS (Acetic, Sulfuric)	1 - 10 %
ACID SALTS	0 - 5 %
	- %
	- %
	- %
	- %
	- %
	- %
TOTAL	100 %

PLEASE NOTE: The chemical composition total in the maximum column must be greater than or equal to 100%.

ALSO LIST ALL SUBSTANCES REGULATED UNDER OSHA 1910.1000, SUBPART Z.

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

	NONE	or LESS THAN	or ACTUAL
PCB's	[x]	[ ] <50 ppm	_____ ppm
Cyanides	[x]	[ ] <250 ppm	_____ ppm
Phenolics	[x]	[ ] <50 ppm	_____ ppm
Sulfides	[x]	[ ] <500 ppm	_____ ppm

- [ ] MSDS ATTACHED
- [x] SUPPLEMENTAL ANALYSIS ATTACHED

DESCRIBE: ORGANICS + TOTAL METALS

NO. OF PAGES ATTACHED: _____

E. METALS (mg/kg or ppm)

☐ EP TOX ☐ TCLP ☒ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	☐ <5.0	<2.	Hexachlorobenzene	D032	☐ <0.13	NP
Barium	D005	☐ <100	<10.	Hexachloro-1,3-butadiene	D033	☐ <0.5	NP
Benzene	D018	☐ <0.5	NP	Hexachloroethane	D034	☐ <3.0	NP
Cadmium	D006	☐ <1.0	<1.	Lead	D008	☐ <5.0	<5.
Carbon tetrachloride	D019	☐ <0.5	NP	Lindane	D013	☐ <0.4	NP
Chlordane	D020	☐ <0.03	NP	Mercury	D009	☐ <0.2	<.1
Chlorobenzene	D021	☐ <100.0	NP	Methoxychlor	D014	☐ <10.0	NP
Chloroform	D022	☐ <6.0	NP	Methyl ethyl ketone	D035	☐ <200.0	NP
Chromium	D007	☐ <5.0	<5.	Nitrobenzene	D036	☐ <2.0	NP
o-Cresol	D023	☐ <200.0	NP	Pentachlorophenol	D037	☐ <100.0	NP
m-Cresol	D024	☐ <200.0	NP	Pyridine	D038	☐ <5.0	NP
p-Cresol	D025	☐ <200.0	NP	Selenium	D010	☐ <1.0	<1.
Cresol	D026	☐ <200.0	NP	Silver	D011	☐ <5.0	<5.
2,4-D	D016	☐ <10.0	NP	Tetrachloroethylene	D039	☐ <0.7	NP
1,4-Dichlorobenzene	D027	☐ <7.5	NP	Toxaphene	D015	☐ <0.5	NP
1,2-Dichloroethane	D028	☐ <0.5	NP	Trichloroethylene	D040	☐ <0.5	NP
1,1-Dichloroethylene	D029	☐ <0.7	NP	2,4,5-Trichlorophenol	D041	☐ <400.0	NP
2,4-Dinitrotoluene	D030	☐ <0.13	NP	2,4,6-Trichlorophenol	D042	☐ <2.0	NP
Endrin	D012	☐ <0.02	NP	2,4,5-TP (Silvex)	D017	☐ <1.0	NP
Heptachlor (and its hydroxide)	D031	☐ <0.008	NP	Vinyl chloride	D043	☐ <0.2	NP

F. LIQUID WASTE CHARACTERISTICS
Fuels and WWT Candidates

ORGANIC PHASE ____ %
+ AQUEOUS PHASE 100 % = 100%

RANGE

HEAT VALUE ____ BTU/lb
TOTAL HALOGENS ____ % ____ mg/l
ASH CONTENT ____ %
% SULFUR ☐ <0.5% ____ %
BS&W ____ %
WATER CONTENT ____ %
VISCOSITY (cps): ____ @ ____ °F
TOC 690 mg/l
COD ____ mg/l
BOD ____ mg/l
OIL & GREASE ____ mg/l
TOX ____ mg/l
HOC ____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☐ BULK LIQUID ☐ OTHER (SPECIFY) ____
☐ BULK SOLID ____
☐ DT ☐ RO ____
☒ DRUM (SIZE) 55g

ANTICIPATED VOLUME ☒ GALS. ☐ DRUMS
55 ☐ TONS ☐ CUBIC YDS.
(QUANTITY)
PER ☒ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: S+D ENVIRONMENTAL SERVICES INC
TRANSPORTER PHONE/CONTACT: (908)549-8778
TRANSPORTER USEPA I.D. NJD982744260

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) D002
APPLICABLE SUBCATEGORIES CORROSIVE LIQUID
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) D002
D.O.T. HAZARDOUS WASTE? ☒ YES ☐ NO
PROPER SHIPPING NAME
RQ WASTE CORROSIVE LIQUID NOS
HAZARD CLASS CORROSIVE MATERIAL I.D. NO. UN1760 R.Q. ____

H. WASTE CERTIFICATION

1. Does this waste material contain polychlorinated biphenyls? YES ____ NO X
2. Does this waste material contain herbicides or pesticides as described in the CFR Part 861.24 Table #1, Hazard #'s DO12-DO17? YES ____ NO X
3. Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all USEPA waste types F001, F002, F003, F004, F005 as per CFR 40 Section 251.31? YES ____ NO X
4. Does this waste material contain leachable levels of any of the metals covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.24? YES ____ NO X
5. Does this waste contain any dioxins as specified by 40 CFR 261.31 Hazardous #'s F020, F021, F022, F023, F026, F027, F028? YES ____ NO X
6. Is this waste material a "California List" waste, as per CFR 40 Section 268.32? YES X Acid NO ____ PCB ≥ 50 Ni ≥ 134 HOC ≥ 1000 Th ≥ 130
7. Does this waste material contain D018-D043 as per CFR 40 Section 261.24 (Fed. Reg. 3/29/90)? YES ____ NO X
8. Does this waste material contain "U", "K" or "P" wastes as defined per CFR 40 Section 261.33? YES ____ NO X
9. Is this waste considered non-hazardous by USEPA standard? YES ____ NO X

AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL Initial: ____

I. MPS CHANGE VERIFICATION

I hereby authorize CYCLE CHEM to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue my approval. Initial: ____

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS, then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Dan Harkay
Authorized Signature

USEPA onscene coordinator
Title

DAN HARKAY
Name (Print or Type)

9/6/91
Date

CYCLE CHEM

RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEETS
PRODUCT CODE
PROCESS CODE

A. GENERATOR INFORMATION

GENERATOR US EPA I.D. NJD980532907
GENERATOR STATE I.D.

GENERATOR NAME: USEPA Region II
PICK-UP ADDRESS: Ideal Cooperage Site
325 New York Ave.
Jersey City, NJ [redacted]07307

BILLING ADDRESS IF DIFFERENT: S+D 2 Gourmet Lane
Edison NJ 08837
CONTACT

TECHNICAL CONTACT: Dan Barkay (EPA) Ed Twilley TITLE: OSC / Supervisor PHONE: 908-549-8778
NAME OF WASTE: Chemical Process Liquid (Aqueous)
PROCESS GENERATING WASTE: CERCLA Cleanup of Abandoned Drum Recycling Facility

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION: Amber/Cloudy Liquid
- [x] WASTEWATER
- [ ] NONWASTEWATER

STRONG INCIDENTAL ODOR PRESENT? [ ] YES [x] NO
DESCRIBE: Slight organic

PHYSICAL STATE @ 70°F
- [ ] SOLID
- [x] LIQUID
- [ ] POWDER
- [ ] SEMI-SOLID
- [x] SINGLE PHASE
- [ ] BI-LAYERED
- [ ] MULTI-LAYERED
- [ ] SLUDGE

FREE LIQUIDS [x] YES 99 % [ ] NO
Pumpable? [x] YES [ ] NO
Pourable? [x] YES [ ] NO

CORROSIVITY (pH)
- [ ] ≤2.0
- [ ] 2.01-5
- [x] 5.01-9
- [ ] 9.01-12.49
- [ ] ≥12.50
- [ ] EXACT pH

SPECIFIC GRAVITY
- [ ] < .8
- [ ] .8-1.0
- [x] 1.0-1.2
- [ ] EXACT
- [ ] 1.2-1.4
- [ ] 1.4-1.7
- [ ] >1.7

FLASH POINT
- [ ] <70°F
- [ ] 70°F - 100°F
- [ ] 101°F - 139°F
- [ ] 140°F - 200°F
- [x] >200°F
- [ ] NO FLASH
- [ ] EXACT

IGNITABLE (if solid) [ ] YES [ ] NO
[ ] CLOSED CUP
[ ] OPEN CUP

LIQUID/SOLID
% Total Solids: 1-5
% Suspended Solids:
% Dissolved Solids:
% Free Liquids: 99

C. OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS ANY OF THE FOLLOWING:
- [ ] RCRA REACTIVE
- [ ] WATER REACTIVE
- [ ] EXPLOSIVE
- [ ] SHOCK SENSITIVE
- [ ] PYROPHORIC
- [ ] RADIOACTIVE
- [ ] ETIOLOGICAL
- [ ] PESTICIDE MANUFACTURING WASTE
- [ ] OTHER
- [x] NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

D. CHEMICAL COMPOSITION

1.

	RANGE MIN.-MAX.
Water	95 - 100 %
Volatile Organics	0 - <1 %
Inert Solids (Dirt, Rust)	0 - 5 %
	- %
	- %
	- %
	- %
	- %
	- %
TOTAL	100 %

PLEASE NOTE: The chemical composition total in the maximum column must be greater than or equal to 100%.

ALSO LIST ALL SUBSTANCES REGULATED UNDER OSHA 1910.1000, SUBPART Z.

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

	NONE	or LESS THAN	or ACTUAL
PCB's	[x]	[ ] <50 ppm	ppm
Cyanides	[ ]	[ ] <250 ppm	<1 ppm
Phenolics	[ ]	[ ] <50 ppm	<1 ppm
Sulfides	[ ]	[ ] <500 ppm	<1 ppm

- [ ] MSDS ATTACHED
- [x] SUPPLEMENTAL ANALYSIS ATTACHED

DESCRIBE: Organics + Metals

NO. OF PAGES ATTACHED:

E. METALS (mg/kg or ppm) ☐ EP TOX ☐ TCLP ☑ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	☐ <5.0	<2	Hexachlorobenzene	D032	☐ <0.13	NP
Barium	D005	☐ <100	<10	Hexachloro-1,3-butadiene	D033	☐ <0.5	NP
Benzene	D018	☐ <0.5	NP	Hexachloroethane	D034	☐ <3.0	NP
Cadmium	D006	☐ <1.0	<1	Lead	D008	☐ <5.0	<5
Carbon tetrachloride	D019	☐ <0.5	NP	Lindane	D013	☐ <0.4	NP
Chlordane	D020	☐ <0.03	NP	Mercury	D009	☐ <0.2	<.1
Chlorobenzene	D021	☐ <100.0	NP	Methoxychlor	D014	☐ <10.0	NP
Chloroform	D022	☐ <6.0	NP	Methyl ethyl ketone	D035	☐ <200.0	22.
Chromium	D007	☐ <5.0	<5	Nitrobenzene	D036	☐ <2.0	NP
o-Cresol	D023	☐ <200.0	NP	Pentachlorophenol	D037	☐ <100.0	NP
m-Cresol	D024	☐ <200.0	NP	Pyridine	D038	☐ <5.0	NP
p-Cresol	D025	☐ <200.0	NP	Selenium	D010	☐ <1.0	<1
Cresol	D026	☐ <200.0	NP	Silver	D011	☐ <5.0	<5
2,4-D	D016	☐ <10.0	NP	Tetrachloroethylene	D039	☐ <0.7	NP
1,4-Dichlorobenzene	D027	☐ <7.5	NP	Toxaphene	D015	☐ <0.5	NP
1,2-Dichloroethane	D028	☐ <0.5	NP	Trichloroethylene	D040	☐ <0.5	NP
1,1-Dichloroethylene	D029	☐ <0.7	NP	2,4,5-Trichlorophenol	D041	☐ <400.0	NP
2,4-Dinitrotoluene	D030	☐ <0.13	NP	2,4,6-Trichlorophenol	D042	☐ <2.0	NP
Endrin	D012	☐ <0.02	NP	2,4,5-TP (Silvex)	D017	☐ <1.0	NP
Heptachlor (and its hydroxide)	D031	☐ <0.008	NP	Vinyl chloride	D043	☐ <0.2	NP

F. LIQUID WASTE CHARACTERISTICS
Fuels and WWT Candidates

ORGANIC PHASE <1 %
+ AQUEOUS PHASE >99 % = 100%

RANGE

HEAT VALUE _____ BTU/lb
TOTAL HALOGENS ___ % _____ mg/l
ASH CONTENT _____ %
% SULFUR ☐ <0.5% _____ %
BS&W _____ %
WATER CONTENT _____ %
VISCOSITY (cps): _____ @ _____ °F
TOC 10700 mg/l
COD _____ mg/l
BOD _____ mg/l
OIL & GREASE _____ mg/l
TOX _____ mg/l
HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☐ BULK LIQUID ☐ OTHER (SPECIFY) _____
☐ BULK SOLID _____
☐ DT ☐ RO _____
☑ DRUM (SIZE) 55

ANTICIPATED VOLUME ☑ GALS. ☑ DRUMS
110 (QUANTITY) ☐ TONS ☐ CUBIC YDS.
PER ☑ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: S+D ENVIRONMENTAL
TRANSPORTER PHONE/CONTACT: 908 549-8778 / ED TWILLEY
TRANSPORTER USEPA I.D. NJD982744260

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☐ YES ☑ NO
USEPA HAZARDOUS CODE(S) _____
APPLICABLE SUBCATEGORIES DOT NON-REGULATED
STATE HAZARDOUS WASTE? ☐ YES ☑ NO
STATE CODE(S) X900
D.O.T. HAZARDOUS WASTE? ☐ YES ☑ NO
PROPER SHIPPING NAME
WASTE CHEMICAL PROCESS LIQUID nos X-900
HAZARD CLASS NA I.D. NO. N/A R.Q. _____

H. WASTE CERTIFICATION

1. Does this waste material contain polychlorinated biphenyls? YES _____ NO X
2. Does this waste material contain herbicides or pesticides as described in the CFR Part 861.24 Table #1, Hazard #'s DO12-DO17? YES _____ NO X
3. Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all USEPA waste types F001, F002, F003, F004, F005 as per CFR 40 Section 251.31? YES _____ NO X
4. Does this waste material contain leachable levels of any of the metals covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.24? YES _____ NO X
5. Does this waste contain any dioxins as specified by 40 CFR 261.31 Hazardous #'s F020, F021, F022, F023, F026, F027, F028? YES _____ NO X
6. Is this waste material a "California List" waste, as per CFR 40 Section 268.32? YES _____ NO X — PCB ≥50 Ni ≥134 HOC ≥1000 Th ≥130
7. Does this waste material contain D018-D043 as per CFR 40 Section 261.24 (Fed. Reg. 3/29/90)? YES _____ NO X
8. Does this waste material contain "U", "K" or "P" wastes as defined per CFR 40 Section 261.33? YES _____ NO X
9. Is this waste considered non-hazardous by USEPA standard? YES _____ NO _____

AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL Initial: _____

I. MPS CHANGE VERIFICATION

I hereby authorize CYCLE CHEM to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue my approval. Initial: _____

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS, then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Dan Harkay
Authorized Signature

USEPA on scene coordinator
Title

DAN HARKAY
Name (Print or Type)

9/6/91
Date

CYCLE CHEM

RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEETS
PRODUCT CODE _____
PROCESS CODE _____

A. GENERATOR INFORMATION

GENERATOR US EPA I.D. NJD980532907
GENERATOR STATE I.D. _____

GENERATOR NAME USEPA REGION II
PICK-UP ADDRESS IDEAL COOPERAGE SITE
325 New York Ave
Jersey City, NJ 07307

BILLING ADDRESS IF DIFFERENT
STD 2 GOURMET LANE
EDISON NJ 08837
CONTACT ACCTS PAYABLE

TECHNICAL CONTACT DAN HARKAY (EPA) / ED Twilley TITLE OSC / SUPERVISOR PHONE 908 549-8778
NAME OF WASTE WASTE CORROSIVE SOLIDS (ACID)
PROCESS GENERATING WASTE CERCLA Cleanup of Abandoned Drum Recycling Facility

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION: GRAY SOLID

☐ WASTEWATER
☒ NONWASTEWATER

STRONG INCIDENTAL ODOR PRESENT? ☐ YES ☒ NO
DESCRIBE _____

PHYSICAL STATE @ 70°F
☒ SOLID ☐ LIQUID ☐ POWDER ☐ SEMI-SOLID
☒ SINGLE PHASE ☐ BI-LAYERED ☐ MULTI-LAYERED ☐ SLUDGE

FREE LIQUIDS
☐ YES ___ % ☒ NO
Pumpable? ☐ YES ☒ NO
Pourable? ☐ YES ☒ NO

CORROSIVITY (pH)
☒ ≤2.0 ☐ 2.01-5 ☐ 5.01-9 ☐ 9.01-12.49 ☐ ≥12.50 ☐ EXACT pH _____

SPECIFIC GRAVITY
☐ <.8 ☐ .8-1.0 ☐ 1.0-1.2 ☐ EXACT _____ ☐ 1.2-1.4 ☒ 1.4-1.7 ☐ >1.7

FLASH POINT
☐ <70°F ☐ 70°F - 100°F ☐ 101°F - 139°F ☐ 140°F - 200°F ☒ >200°F ☐ NO FLASH ☐ EXACT _____
IGNITABLE (if solid) ☐ YES ☐ NO ☐ CLOSED CUP ☐ OPEN CUP

LIQUID/SOLID
% Total Solids 100
% Suspended Solids _____
% Dissolved Solids _____
% Free Liquids _____

C. OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS ANY OF THE FOLLOWING:

☐ RCRA REACTIVE
☐ WATER REACTIVE
☐ EXPLOSIVE
☐ SHOCK SENSITIVE
☐ PYROPHORIC
☐ RADIOACTIVE
☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE
☐ OTHER _____
☒ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

D. CHEMICAL COMPOSITION

1.

	RANGE MIN.-MAX.
ACID SALTS (NON OXIDIZER)	95 - 99 %
INERT SOLIDS (DIRT, RUST)	0 - 5 %
BIS(2-ETHYLHEXYL) PHTHALATE	.5 - 1.5 %
	- %
	- %
	- %
	- %
	- %
	- %
TOTAL	100 %

PLEASE NOTE: The chemical composition total in the maximum column must be greater than or equal to 100%.

ALSO LIST ALL SUBSTANCES REGULATED UNDER OSHA 1910.1000, SUBPART Z.

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

	NONE	or LESS THAN	or ACTUAL
PCB's	☒	☐ <50 ppm	___ ppm
Cyanides	☐	☐ <250 ppm	<1 ppm
Phenolics	☒	☐ <50 ppm	___ ppm
Sulfides	☐	☐ <500 ppm	<1 ppm

☐ MSDS ATTACHED
☒ SUPPLEMENTAL ANALYSIS ATTACHED
DESCRIBE: ORGANICS + METALS

NO. OF PAGES ATTACHED: _____

E. METALS (mg/kg or ppm) ☐ EP TOX ☐ TCLP ☑ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	☐ <5.0	3.16	Hexachlorobenzene	D032	☐ <0.13	NP
Barium	D005	☐ <100	16.6	Hexachloro-1,3-butadiene	D033	☐ <0.5	NP
Benzene	D018	☐ <0.5	NP	Hexachloroethane	D034	☐ <3.0	27.85
Cadmium	D006	☐ <1.0	<1	Lead	D008	☐ <5.0	NP
Carbon tetrachloride	D019	☐ <0.5	NP	Lindane	D013	☐ <0.4	NP
Chlordane	D020	☐ <0.03	NP	Mercury	D009	☐ <0.2	<1
Chlorobenzene	D021	☐ <100.0	NP	Methoxychlor	D014	☐ <10.0	NP
Chloroform	D022	☐ <6.0	NP	Methyl ethyl ketone	D035	☐ <200.0	NP
Chromium	D007	☐ <5.0	<5	Nitrobenzene	D036	☐ <2.0	NP
o-Cresol	D023	☐ <200.0	NP	Pentachlorophenol	D037	☐ <100.0	NP
m-Cresol	D024	☐ <200.0	NP	Pyridine	D038	☐ <5.0	NP
p-Cresol	D025	☐ <200.0	NP	Selenium	D010	☐ <1.0	<1
Cresol	D026	☐ <200.0	NP	Silver	D011	☐ <5.0	<5
2,4-D	D016	☐ <10.0	NP	Tetrachloroethylene	D039	☐ <0.7	NP
1,4-Dichlorobenzene	D027	☐ <7.5	NP	Toxaphene	D015	☐ <0.5	NP
1,2-Dichloroethane	D028	☐ <0.5	NP	Trichloroethylene	D040	☐ <0.5	NP
1,1-Dichloroethylene	D029	☐ <0.7	NP	2,4,5-Trichlorophenol	D041	☐ <400.0	NP
2,4-Dinitrotoluene	D030	☐ <0.13	NP	2,4,6-Trichlorophenol	D042	☐ <2.0	NP
Endrin	D012	☐ <0.02	NP	2,4,5-TP (Silvex)	D017	☐ <1.0	NP
Heptachlor (and its hydroxide)	D031	☐ <0.008	NP	Vinyl chloride	D043	☐ <0.2	NP

F. LIQUID WASTE CHARACTERISTICS Fuels and WWT Candidates N/A

ORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 100%

RANGE

HEAT VALUE _____ BTU/lb
TOTAL HALOGENS ___ % _____ mg/l
ASH CONTENT _____ %
% SULFUR ☐ <0.5% _____ %
BS&W _____ %
WATER CONTENT _____ %
VISCOSITY (cps): _____ @ _____ °F
TOC _____ mg/l
COD _____ mg/l
BOD _____ mg/l
OIL & GREASE _____ mg/l
TOX _____ mg/l
HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☐ BULK LIQUID ☐ OTHER (SPECIFY) _____
☐ BULK SOLID
☐ DT ☐ RO
☑ DRUM (SIZE) 55

ANTICIPATED VOLUME ☐ GALS. ☑ DRUMS
1200 lbs ☐ TONS ☐ CUBIC YDS.
(QUANTITY)
PER ☒ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: STD ENVIRONMENTAL SERVICES INC
TRANSPORTER PHONE/CONTACT: ~~STD ENVIRONMENTAL SERVICES~~ 449-8778 ED TWILLEY
TRANSPORTER USEPA I.D. N J D 9 8 2 7 4 4 2 6 0

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) D002
APPLICABLE SUBCATEGORIES CORROSIVE SOLID
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) D002
D.O.T. HAZARDOUS WASTE? ☒ YES ☐ NO
PROPER SHIPPING NAME
RQ WASTE CORROSIVE SOLID n.o.s
HAZARD CLASS CORROSIVE MATERIAL I.D. NO. UN1759 R.Q. _____

H. WASTE CERTIFICATION

1. Does this waste material contain polychlorinated biphenyls? YES _____ NO X
2. Does this waste material contain herbicides or pesticides as described in the CFR Part 861.24 Table #1, Hazard #'s DO12-DO17? YES _____ NO X
3. Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all USEPA waste types F001, F002, F003, F004, F005 as per CFR 40 Section 251.31? YES _____ NO X
4. Does this waste material contain leachable levels of any of the metals covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.24? YES _____ NO X
5. Does this waste contain any dioxins as specified by 40 CFR 261.31 Hazardous #'s F020, F021, F022, F023, F026, F027, F028? YES _____ NO X
6. Is this waste material a "California List" waste, as per CFR 40 Section 268.32? YES _____ NO X PCB ≥ 50 Ni ≥ 134 HOC ≥ 1000 Th ≥ 130
7. Does this waste material contain D018-D043 as per CFR 40 Section 261.24 (Fed. Reg. 3/29/90)? YES _____ NO X
8. Does this waste material contain "U", "K" or "P" wastes as defined per CFR 40 Section 261.33? YES _____ NO X
9. Is this waste considered non-hazardous by USEPA standard? YES _____ NO X

AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL Initial: _____

I. MPS CHANGE VERIFICATION

I hereby authorize CYCLE CHEM to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue my approval. Initial: _____

GENERATOR CERTIFICATION

I hereby certify that all information submitted in this and all attached documents is complete, contains true and accurate descriptions and is representative of the waste material, and that all relevant information regarding known or suspected hazards in the possession of the generator has been disclosed.

If CYCLE CHEM discovers, after having taken delivery of the waste, that any waste does not conform to the identification and description on this MPS, then CYCLE CHEM shall provide notice of such condition to the Generator and coordinate the return of the nonconforming waste to the point of origin as set forth on the manifest or to such other locations designated in writing by the Generator. Generator agrees to reimburse CYCLE CHEM for all handling, packaging, clean up and transportation costs or charges, damage to equipment, and costs associated with lost time incurred by CYCLE CHEM during the receipt, handling, temporary storage and return of such nonconforming waste to point of origin or to such other location designated by Generator.

Dan Harkey
Authorized Signature

USEPA on scene coordinator
Title

DAN HARKEY
Name (Print or Type)

9/6/91
Date

CYCLE CHEM

RECYCLING TREATMENT & DISPOSAL OF HAZARDOUS WASTE

217 SOUTH FIRST STREET
ELIZABETH, NJ 07206
(908) 355-5800

MATERIAL PROFILE SHEETS
PRODUCT CODE _____
PROCESS CODE _____

A. GENERATOR INFORMATION

GENERATOR US EPA I.D. NJ 0 9 8 0 5 3 2 9 0 7

GENERATOR STATE I.D. _____

GENERATOR NAME: USEPA Region II

PICK-UP ADDRESS: Ideal Cooperage Site
3-25 New York Ave.
Jersey City, NJ 07307

BILLING ADDRESS IF DIFFERENT: S+D 2 Gourmet Lane
Edison NJ 08837

CONTACT: Accts Payable

TECHNICAL CONTACT: Dan Harkay (EPA) / Ed Twiley TITLE: OSC / Supervisor PHONE: 908 549-8778

NAME OF WASTE: Waste Corrosive Solid (Caustic)

PROCESS GENERATING WASTE: CERCLA Cleanup of Abandoned Drum Recycling Facility

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR/VISUAL DESCRIPTION: Gray-White Solid

☐ WASTEWATER
☒ NONWASTEWATER

STRONG INCIDENTAL ODOR PRESENT? ☐ YES ☒ NO

DESCRIBE _____

PHYSICAL STATE @ 70°F
☒ SOLID ☒ SINGLE PHASE
☐ LIQUID ☐ BI-LAYERED
☐ POWDER ☐ MULTI-LAYERED
☐ SEMI-SOLID ☐ SLUDGE

FREE LIQUIDS
☐ YES ____% ☒ NO
Pumpable? ☐ YES ☒ NO
Pourable? ☐ YES ☒ NO

CORROSIVITY (pH)
☐ ≤2.0 ☐ 9.01-12.49
☐ 2.01-5 ☒ ≥12.50
☐ 5.01-9 ☐ EXACT pH _____

SPECIFIC GRAVITY
☐ <.8 ☐ 1.2-1.4
☐ .8-1.0 ☒ 1.4-1.7
☐ 1.0-1.2 ☐ >1.7
☐ EXACT _____

FLASH POINT
☐ <70°F ☒ >200°F
☐ 70°F - 100°F ☐ NO FLASH
☐ 101°F - 139°F ☐ EXACT _____
☐ 140°F - 200°F

IGNITABLE (if solid) ☐ YES ☐ NO
☐ CLOSED CUP
☐ OPEN CUP

LIQUID/SOLID
% Total Solids 100
% Suspended Solids _____
% Dissolved Solids _____
% Free Liquids _____

C. OTHER HAZARDOUS CHARACTERISTICS

INDICATE IF THIS WASTE IS ANY OF THE FOLLOWING:

☐ RCRA REACTIVE
☐ WATER REACTIVE
☐ EXPLOSIVE
☐ SHOCK SENSITIVE
☐ PYROPHORIC
☐ RADIOACTIVE
☐ ETIOLOGICAL
☐ PESTICIDE MANUFACTURING WASTE
☐ OTHER _____
☒ NONE OF THE ABOVE

SPECIAL HANDLING CONSIDERATIONS

D. CHEMICAL COMPOSITION

1.

	RANGE MIN.-MAX.
Calcium Carbonate + Hydroxide	20 - 40 %
Sodium Hydroxide	10 - 20 %
Magnesium	1 - 5 %
Inert Solids (Dirt, Rust etc)	25 - 40 %
	- %
	- %
	- %
	- %
	- %
TOTAL	100 %

PLEASE NOTE: The chemical composition total in the maximum column must be greater than or equal to 100%.

ALSO LIST ALL SUBSTANCES REGULATED UNDER OSHA 1910.1000, SUBPART Z.

2. INDICATE IF THIS WASTE CONTAINS ANY OF THE FOLLOWING:

	NONE	or LESS THAN	or ACTUAL
PCB's	☒	☐ <50 ppm	_____ ppm
Cyanides	☒	☐ <250 ppm	_____ ppm
Phenolics	☒	☐ <50 ppm	_____ ppm
Sulfides	☒	☐ <500 ppm	_____ ppm

☐ MSDS ATTACHED
☒ SUPPLEMENTAL ANALYSIS ATTACHED
DESCRIBE: Organics + Metals

NO. OF PAGES ATTACHED: _____

METALS (mg/kg or ppm) ☐ EP TOX ☐ TCLP ☒ TOTAL

METAL	EP TOX EPA CODE	LESS THAN	ACTUAL	METAL	EP TOX EPA CODE	LESS THAN	ACTUAL
Arsenic	D004	☐ <5.0	<2	Hexachlorobenzene	D032	☐ <0.13	NP
Barium	D005	☐ <100	58.1	Hexachloro-1,3-butadiene	D033	☐ <0.5	NP
Benzene	D018	☐ <0.5	NP	Hexachloroethane	D034	☐ <3.0	NP
Cadmium	D006	☐ <1.0	<1	Lead	D008	☐ <5.0	22.8
Carbon tetrachloride	D019	☐ <0.5	NP	Lindane	D013	☐ <0.4	NP
Chlordane	D020	☐ <0.03	NP	Mercury	D009	☐ <0.2	<.1
Chlorobenzene	D021	☐ <100.0	NP	Methoxychlor	D014	☐ <10.0	NP
Chloroform	D022	☐ <6.0	NP	Methyl ethyl ketone	D035	☐ <200.0	<2
Chromium	D007	☐ <5.0	<5	Nitrobenzene	D036	☐ <2.0	NP
o-Cresol	D023	☐ <200.0	NP	Pentachlorophenol	D037	☐ <100.0	NP
m-Cresol	D024	☐ <200.0	NP	Pyridine	D038	☐ <5.0	NP
p-Cresol	D025	☐ <200.0	NP	Selenium	D010	☐ <1.0	<1
Cresol	D026	☐ <200.0	NP	Silver	D011	☐ <5.0	<5
2,4-D	D016	☐ <10.0	NP	Tetrachloroethylene	D039	☐ <0.7	NP
1,4-Dichlorobenzene	D027	☐ <7.5	NP	Toxaphene	D015	☐ <0.5	NP
1,2-Dichloroethane	D028	☐ <0.5	NP	Trichloroethylene	D040	☐ <0.5	NP
1,1-Dichloroethylene	D029	☐ <0.7	NP	2,4,5-Trichlorophenol	D041	☐ <400.0	NP
2,4-Dinitrotoluene	D030	☐ <0.13	NP	2,4,6-Trichlorophenol	D042	☐ <2.0	NP
Endrin	D012	☐ <0.02	NP	2,4,5-TP (Silvex)	D017	☐ <1.0	NP
Heptachlor (and its hydroxide)	D031	☐ <0.008	NP	Vinyl chloride	D043	☐ <0.2	NP

F. LIQUID WASTE CHARACTERISTICS

Fuels and WWT Candidates N/A

ORGANIC PHASE _____ %
+ AQUEOUS PHASE _____ % = 100%

RANGE

HEAT VALUE _____ BTU/lb
TOTAL HALOGENS ____ % _____ mg/l
ASH CONTENT _____ %
% SULFUR ☐ <0.5% _____ %
BS&W _____ %
WATER CONTENT _____ %
VISCOSITY (cps): _____ @ _____ °F
TOC _____ mg/l
COD _____ mg/l
BOD _____ mg/l
OIL & GREASE _____ mg/l
TOX _____ mg/l
HOC _____ mg/l

G. SHIPPING/MANIFEST INFORMATION

SHIPMENT METHOD

☐ BULK LIQUID ☐ OTHER (SPECIFY) _____
☐ BULK SOLID _____
☐ DT ☐ RO _____
☒ DRUM (SIZE) 55 _____

ANTICIPATED VOLUME ☐ GALS. ☒ DRUMS
800 lbs ☐ TONS ☐ CUBIC YDS.
(QUANTITY)
PER ☒ ONE TIME ☐ QUARTER ☐ YEAR

TRANSPORTER: STD ENVIRONMENTAL SERVICES

TRANSPORTER PHONE/CONTACT: 908 549-8778/ED TWILLEY

TRANSPORTER USEPA I.D. NJD982744260

REGULATORY INFORMATION

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S) D002 ____ ____ ____
APPLICABLE SUBCATEGORIES CORROSIVE SOLID
STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S) D002 ____ ____ ____
D.O.T. HAZARDOUS WASTE? ☒ YES ☐ NO
PROPER SHIPPING NAME
RQ WASTE CORROSIVE SOLID NOS
HAZARD CLASS CORROSIVE MATERIAL I.D. NO. UN1759 R.Q. _____

H. WASTE CERTIFICATION

1. Does this waste material contain polychlorinated biphenyls? YES _____ NO X
2. Does this waste material contain herbicides or pesticides as described in the CFR Part 861.24 Table #1, Hazard #'s DO12-DO17? YES _____ NO X
3. Does this waste material contain or ever contain the listed "spent" solvents which would classify the waste as any or all USEPA waste types F001, F002, F003, F004, F005 as per CFR 40 Section 251.31? YES _____ NO X
4. Does this waste material contain leachable levels of any of the metals covered by EPA waste types D004 thru D011 as per CFR 40 Section 261.24? YES _____ NO X
5. Does this waste contain any dioxins as specified by 40 CFR 261.31 Hazardous #'s F020, F021, F022, F023, F026, F027, F028? YES _____ NO X
6. Is this waste material a "California List" waste, as per CFR 40 Section 268.32? YES _____ NO X PCB ≥50 Ni ≥134 HOC ≥1000 Th ≥130
7. Does this waste material contain D018-D043 as per CFR 40 Section 261.24 (Fed. Reg. 3/29/90)? YES _____ NO X
8. Does this waste material contain "U", "K" or "P" wastes as defined per CFR 40 Section 261.33? YES _____ NO X
9. Is this waste considered non-hazardous by USEPA standard? YES _____ NO X

AFTER COMPLETION OF QUESTIONS 1 THROUGH 9 PLEASE INITIAL Initial: _____

I. MPS CHANGE VERIFICATION

I hereby authorize CYCLE CHEM to amend and/or correct any information on the MPS with the full understanding that if any amendment or correction is performed, I will be contacted as such to issue my approval. Initial: _____

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DAN Harkay
Authorized Signature

USEPA on scene coordinator
Title

DAN Harkay
Name (Print or Type)

9/6/91
Date