Robert B. Womsley
John C. Lombard
Ronald S. Pretekin
Roger J. Makley
Jonas J. Gruenberg
Jeffry A. Melnick
Merle F. Wilberding
Hugh E. Wall, III
Robert P. Bartlett, Jr.
Glenn L. Bower
J. Stephen Herbert
John A. Cumming
Fred A. Ungerman, Jr.
R. Scott Blackburn
Richard A. Schwartz
Sam Warwar
Terence L. Fague
Kevin J. O'Brien
Timothy D. Hoffman
Steven C. Scudder
John C. Chambers
Douglas M. Ventura
Janice M. Paulus
Laura G. Harrelson
Martine R. Dunn
Brett L. Thurman
C. Marshall Esler, Jr.
Douglas C. Taylor
James M. Hill
Thomas M. Hanna
Randolph J. Bernard
Susan N. Elliott
Gregory T. Engler
Elizabeth H. Blattner
Mattison C. Painter
Peter A. Igel
Jeffrey A. Mullins
David N. Reed

J. Bradford Coolidge
1888-1965

Retired
Hugh E. Wall, Jr.

US EPA RECORDS CENTER REGION 5
487684

COOLIDGE
WALL
WOMSLEY &
LOMBARD

A Legal Professional
Association

600 IBM Building
33 West First Street
Dayton, Ohio 45402-1289
513-223-8177
Telecopier: 513-223-6705
Cable: COOL-LAW
Direct Dial Number

July 14, 1993

Catherine Garypie, Esq.
Assistant Regional Counsel
Office of Regional Counsel
U.S. EPA
77 West Jackson Street CM-3T
Chicago, Illinois 60604

RE: Brainerd Industries/Response to Request for Information Concerning the Powell Road Landfill in Huber Heights, Ohio

Dear Ms. Garypie:

Our firm represents Brainerd Industries ("Brainerd") in connection with the above referenced matter. Enclosed please find Brainerd's response to your information request. We appreciate the extension of time that was granted to compile this information. The questions concerning financial viability (questions 11 and 12) refer to this cover letter. The U.S. EPA guidance document issued in 1988 *(Guidance on Use and Enforcement of CERCLA Information Requests and Administrative Subpoenas)* indicates that information relating to ability to pay for, or perform, a cleanup be asked where financial viability is or will be an issue. Due to the fact that this site is in the early stages of PRP identification and allocation of responsibility, the issue of financial viability has not yet arisen. That guidance document also cautions against asking a party to construe the coverage of its insurance policies which might prejudice that party's pursuit of a claim against its insurance carriers at a later date. Your question concerning insurance requires such a construction that might ultimately be prejudicial. Brainerd has carried a variety of general liability and other insurance policies and at such time as financial viability becomes an issue, Brainerd will be happy to supply you with that information. Brainerd will also be happy to supply other financial information at such time as financial viability becomes an issue.

From the information provided by Brainerd, you will see that a serious question arises concerning whether any hazardous substance, pollutant or contaminant generated by Brainerd was ever disposed of at the Powell Road Landfill. This raises the question as to why Brainerd has been named as a potentially responsible party at this site (see your letter dated May 21,

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Association

1993). I would appreciate any specific information you may have that connects the disposal of hazardous substances, pollutants or contaminants at the Powell Road Landfill from Brainerd. Based on the information provided in this response it appears that Brainerd should not have been named as a potentially responsible party.

I would appreciate your prompt response concerning information specific to Brainerd.

Thank you very much.

Very truly yours,

Timothy D. Hoffman

TDH:pb
Enclosures
147950-00-401

cc: Edward L. Dudon
Sherwin Eisman

BRAINERD INDUSTRIES
1723 WEBSTER STREET ★ DAYTON, OHIO 45404
DIVISION OF BRAINERD MANUFACTURING CO., EAST ROCHESTER, N.Y. 14445
Telephone 513/228-0488 Fax 513/449-8057

Date: July 14, 1993

To: Catherine Garypie
Assistant Regional Counsel
Office of Regional Counsel
United States Environmental Protection Agency
Region 5
77 West Jackson Boulevard CM-3T
Chicago, Il 60604-3590

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
P 849 227 433

Re: **Request for Information Pursuant to Section 104(e) of CERCLA for the Powell Road Landfill in Huber Heights, Ohio**

1. Identify all persons consulted in the preparation of answers to these information requests:

Name:	EDWARD DUDON
Date of Brainerd Employment:	August 12, 1969
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	General Manager
Job Description:	Performed a wide variety of plant activities, up to and including Metal Preparation, Shearing, Art, and Sales Departments before assuming duties of General Manager in 1986. Responsible for the overall management of the company.

Name:	SHERWIN EISMAN
Date of Brainerd Employment:	July 16, 1973
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Technical Services Manager
Job Description:	Art Director supervising all art, printing plates, and silk screen preparation until 1990. Technical Services include all OSHA and EPA regulatory compliance.

Name:	GARY OPDYKE
Date of Brainerd Employment:	July 10, 1969
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Purchasing Agent
Job Description:	Responsible for the purchasing of all commodities necessary to operate the company including the authorization and management of many contractual agreements.

Name:	CHARLES DURST
Date of Brainerd Employment:	August 11, 1969
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Lithographic Printing Pressman
Job Description:	Printer of aluminum sheets operating a hand fed flat bed printing press from date of employment to present.

Name:	JANE LANNING
Date of Brainerd Employment:	February 22, 1970
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Inspection Supervisor
Job Description:	Worked in four departments from date of employment to present. Lithographic printing Department as person putting wet printed sheets in racks. Metal Preparation Department by sheet hand washing aluminum sheets. Coating Department by taking wet coated sheets from coater and placing in racks. Inspection Department Supervisor.

Name:	SANDRA FOUDRAY
Date of Brainerd Employment:	September 18, 1975
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Silk Screen Printing Supervisor
Job Description:	Inspection Department have performed parts inspecting. Metal Preparation Department as an aluminum sheets washer. In 1980 assigned to Silk Screen Printing Department as a printer until present.

Name:	RUTH REED
Date of Brainerd Employment:	January 8, 1980
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Silk Screen Printer
Job Description:	Operates a hand fed printing press of aluminum sheets from date of employment to present.

Name:	RON DODSON
Date of Brainerd Employment:	April 7, 1980
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Plastics Department Supervisor
Job Description:	Operated a silk screen press printing plastic sheets until named department supervisor in 1984. Responsible for the overall management of department including material preparation, printing, fabricating and inspection.

Name:	CLIFFTON BAKER
Date of Brainerd Employment:	December 12, 1983
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	Janitor/Maintenance
Job Description:	Provides plant janitorial services. From date of employment to present.

Name:	JOHN SINGER
Date of Brainerd Employment:	December 15, 1970
Business Address:	1723 Webster Street, Dayton, Ohio 45404
Job Title:	2nd Shift Production Supervisor
Job Description:	Responsible for production activities of Metal Preparation, Coater, Lithographic Printing, and Punch Press Departments.

Name:	GERALD ELLEMAN
Date of Brainerd Employment:	January, 1973 to 1986
Home Address:	406 Rankin Drive, Englewood, Ohio 45322
Job Title:	General Manager (Retired)
Job Description:	Was responsible for the overall management of the company.

Name:	TIMOTHY HOFFMAN
Business Address:	Coolidge, Wall, Womsley & Lombard, LPA Suite 600, IBM Building, 33 West First Street Dayton, Ohio 45402-1289
Job Title:	Attorney
Job Description:	Provide environment counsel for company

2. Identify all source(s) of documents of all documents consulted, examined, or referred to in the preparation of the answers to these requests:

   General business records of the company
   Invoices
   Bills of lading
   Inventory control sheets
   Daily records of products used by each department

3. If you have reason to believe that there may be persons able to provide a more detailed or complete response to any information Request or may be able to provide additional responsive documents, identify such persons, and each request for which the person is identified:

   "None"

4. List the EPA Identification Numbers of the Respondent:

   OHD068953645

5. Identify any persons, other than your employees, contractors, or agents, that may have caused the release or threat of release of hazardous substances, pollutants, or contaminants at the Site. Describe the acts or omissions which may have caused the release of hazardous substances, pollutants, or contaminants at the Site and damages resulting therefrom:

   "None"

6. Identify each facility that Respondent owned or operated in Clark County, Ohio, Green County, Ohio, Miami County, Ohio, or Montgomery County, Ohio, from January 1, 1959 to December 31, 1985. List the name and address of each facility and the operating status of each facility(currently operating, closed, etc.) and identify the current owner or operator is not the Respondent:

   "None, other than current location which was purchased in 1974 by Brainerd Manufacturing and is still operation.

7. Identify all persons having knowledge or information about the generation, transportation, treatment, disposal, or other handling of hazardous substances by you, your contractors, or by prior owners and or operators at any of the facilities identified in response to 6., above:

   "Every employee, past and present, has potential knowledge, but not sufficient"

8. Did you ever use, purchase, store, treat, dispose, transport or otherwise handle any hazardous substances or materials from January 1, 1959 to December 31, 1985?

   This question goes beyond the scope of inquiry authorized by Section 104(e) of CERCLA in that it does not relate to the identification, nature and quantity of materials which have been generated, treated, stored or disposed of at or transported to the Powell Road Landfill, and it is not related to the nature and extent of the release or threatened release of a hazardous substance or pollutant or contaminant at or from the Powell Road Landfill. Notwithstanding this fact, Brainerd Industries wants to cooperate with your office in providing information that is relevant to your inquires and answers as follows:

   a) Chemical composition, characteristics, physical data of each hazardous substance:

      See Appendix A, Section 8, Profiles

b) Suppliers of hazardous substances:

Name	Address	City/State
Acme Ink Company	1419 W. Carroll St.	Chicago, IL 60607
Advance Process Supply	400 N. Noble St.	Chicago, IL 60622
ChemCentral	12 Standen Drive	Hamilton, OH 45015
ChemLube Corp.	8010 E. 88th Street	Indianapolis, IN 46356
Colonial Ink Company	180 E. Union Avenue	E.Rutherford, NJ 07073
Deco-Chem, Inc.	3502 N. Home St.	Mishawaka, IN 46545
Egyptian Lacquer Mfg.	555 Sagamore Pkwy s.	Lafayette, IN 47903
Gem City Chemical	P.O. Box 251	Dayton, OH 45404
General Formulations	320 S. Union	Sparta, MI 49345
KC Coatings	1555 W. 108th Street	Lenexa, KS 66219
Lilly Industrial Coating	546 Abbot Street	Indianapolis, IN 46206
Sherwin-Williams Paint	101 Prospect Ave. NW	Cleveland, OH 44115
Van Waters & Rogers	6100 Carillon Point	Kirkland, WA 98033

c,d,e) How hazardous chemicals used, when generated, and where used:

Brainerd Industries are printers of metal and plastic decorative trim for the small appliance, radio and television industries. Many of the inks and solvents used in the manufacture of these products have chemical constituents which have been classified as hazardous. A search of company records for the years of 1981, 1982 and 1983 has been conducted by Sherwin Eisman, Technical Services Manager, identified all invoices of purchased materials used in Brainerd's operation. His report is attached, identified as Appendix A - Total Hazardous Products Consumed.

The information shown in the appendixes is based upon many products purchased during 1976 to 1984 and are presently in use today. This time was selected due to information provided by Waste Management which indicated that was the appropriate starting point for this study. (See also answers to Questions 9 and 10). Material Safety Data Sheets (MSDS) currently supplied, provide chemical composition information within in the products used during the subject years and applicable in this analysis. To assure, to the best of our knowledge, that the analysis reflect chemicals used during 1976 to 1984, the oldest most MSDS information was used.

328 invoices for 102 products in 1981; 316 invoices for 94 products in 1982; and 421 invoices for 121 products in 1983 were tracked. Sixty one MSDSs were identified containing information about the 317 individual products. ChemMaster, a computerized chemical tracking database system (description given in Appendix A, Section 6) provides reports for years 1981, 1982 and 1983. These reports calculated the aggregate amount of twenty one individual chemicals, defined as hazardous in Section 101 (14) of CERCLA, 42 USC 9601, consumed in Brainerd Industries day-to-day operations and were contained in the products.

At that point, actual pounds consumed in 1981, 1982, and 1983 were averaged and expressed as a percentage of total net sales for years 1976 through 1984. Calculations provided estimated total amount of each chemical consumed during each of the subject years. (calculation shown in Appendix A, Section 1 Total Mat'ls). 1,1,2-trichlorotriflouroethane (Freon 113) was subtracted from the yearly total amount consumed, as it is classified as an Ozone Depleting Substance and volatilized into the atmosphere Appendix A, Section 2 is a comparison of the 21 chemicals found in Brainerd Industries' products to the analytical data found at the Powell Road Landfill Site.

It shows 3 chemicals and amounts consumed by Brainerd and three matches were identified in the analytical report:

363 pounds of Benzene, CAS #71-43-2
28,707 pounds of Methylene Chloride, CAS #75-09-2
9,533 pounds of Toluene, CAS #108-88-3

MSDS information show benzene to be a constituent of Mineral Spirits #66. Testimony of John Singer, Jane Lanning, Sandra Foudray and Charles Durst say mineral spirits #66 was used as a thinner to reduce viscosity within the various coatings used and dissipated into the atmosphere when baked in the conveyor and batch ovens. Dirty or waste coatings containing mineral spirits were deposited in a drum located within the department and taken away. Cliffton Baker testified the drums of waste solvents and coating were sent to Solvent Resource Recovery, Inc. for incineration (manifests shown in Appendix A, Section 3).

Methylene Chloride, CAS #75-09-2, is a component within Solvent #2166 at 13% of total weight. Brainerd Industries, to comply with Montgomery County Air Pollution Control Agency permits issued in 1989 for the Coater Department, requires every shift to record daily solvent usage. Solvent continues to be used throughout the plant to clean printing plates, wipe excess oils from finished products, and other uses required by the printing industry. All emissions for Ohio EPA record keeping requirements are fugitive except within the Coating Department. Their records show the percentage relationship of total solvent added to the coatings versus the solvent used to clean the system to be 29.2%. Appendix A, Section 3.a shown the calculations used to determine the percentage used. The table below show total solvent purchases in 1981, 1982, anticipated waste solvents at 29.2%, and actual gallons sent to and incinerated at Solvent Resources Recovery Systems. Gary Opdyke and Jerry Elleman said spent solvent was sent to Solvent Resources Recovery Systems for the relevant time period of 1976 to 1984.

Year	T Gal #2166 Purchased	T/Gallons Reduced 29.2%	Waste Solvents per Manifests
1981	3740	2917	2420
1982	4290	3037	3025
1983	5610	3971	4290

Toluene, CAS #108-88-3, is a component in Lacquer CD-L 444, V66V27, R7K84, and F63B13 used for a paint mixture. The paint was used to hand spray sheets of perforated aluminum. Charles Durst and John Signer told how the sheets were baked in batch ovens after spraying, accelerating the air dry process. All toluene contained in the paint was volatilized into the atmosphere during baking.

Hand spraying paint efficiency is 40%. All over spray from the operation was trapped within the spray booth filters and were thrown in the dumpster two to three times a week. The air drawn into the spray booths, creating the positive air flow required by OSHA standards, dried the paint within the filters according to Edward Dudon and Charles Durst. Jane Lanning, Inspection, said all sprayed parts were visually inspected for defects with rejected parts thrown into a drum and sold for aluminum salvage at the end of the month.

f) Quantity of hazardous materials used:

See Appendix A, Sections 9, 10, and 11 Invoices

9. Did you or any other person working with you or on your behalf ever accept waste materials for transportation to the Site from any person between January 1, 1959 and December 31, 1984?

"No"

10. Identify all persons, including yourself, who may have arranged for disposal or treatment or arranged for transportation for disposal or treatment of waste materials, including hazardous substances, at the Site or to the Site between January 1, 1959 and December 31, 1984. In addition, identify the following:

a) Persons making transportation arrangements:

We have no knowledge that material was taken to the Powell Road Landfill. Gerald Elleman, Edward Dudon, and Gary Opdyke stated in separate interviews that to their knowledge and recollection IWD was the waste hauler for the years 1973 through 1984. Further, all three said they remember being told by an IWD representative at different times the trash in the dumpsters was incinerated. All three could not remember the name of the person(s) making the statement. However, a research of past invoices paid (shown in Appendix A, Section 4), confirmed their statements as county incineration charges are listed as separate billing items on the invoices dated September 1980 through June 1983.

Gary Opdyke and Gerald Elleman said that to their knowledge and recollection no person or persons employed by Brainerd Industries, either past or present, contracted with any company to transport materials to the Site. Gary Opdyke, Purchasing Agent, and Nick Regon, Maintenance, said they could not remember anytime where waste materials were taken to the Site.

b) Dates of contracts with IWD:

IWD continues to be the waste hauler for Brainerd Industries since 1973.

c,d,e) The owner, quantity, and nature of the hazardous waste:

An eight cubic yard dumpster containing general plant refuse was removed three times a week from Brainerd Industries by Industrial Waste Disposal, Co.

f through q) "No Response"

11. Identify all liability insurance policies held by the Respondent from 1959 to present:

Please see cover letter from our environmental attorney concerning the response to this question.

12. Provide copies of all income tax returns sent to the Federal Internal Revenue Service by the Respondent in the past three years:

Please see cover letter from our environmental attorney concerning the response to this question.

13. If the Respondent is a Corporation, respond to the following:

Brainerd Manufacturing Company A New York Corporation
P.O. Box 71
115 N. Washington Street
East Rochester, NY 14445

14. If the Respondent is a Partnership, provide copies of the Partnership Agreement:

"Not Applicable"

15. <u>If Respondent is a Trust, provide all relevant agreements:</u>

"Not Applicable"

16. <u>If Respondent is a business association or joint venture or other similar business organization, provide all relevant agreements:</u>

"Not Applicable"

17. <u>Identify, including telephone number, any person designated to receive all future correspondence from U.S. EPA regarding the Site:</u>

Edward Dudon, General Manager
Brainerd Industries
P.O. Box 177
Dayton, Ohio 45404-0177
(513) 228-0488

Edward J. Dudon

Edward Dudon, General Manager
Brainerd Industries

STATE OF OHIO ss: AFFIDAVIT
COUNTY OF MONTGOMERY

Being duly sworn, Edward Dudon says:

"I hereby state that a diligent record search has been completed and that there has been a diligent interviewing process with present and former employees of Brainerd Industries who may have knowledge of the operations, hazardous substance use, storage, treatment, releases, spills, disposal or handling practices between January 1973 and December 1985".

Edward L. Dudon
Edward Dudon

Sworn to and subscribed in my presence on 14TH day of JULY, 1993

Patricia L. Caplinger
Patricia Caplinger

Notary Public, State of Ohio
My Commission Expires April 30, 1994
Recorded in Montgomery County

PATRICIA L. CAPLINGER, Notary Public
In and for the State of Ohio
My Commission Expires April 30, 1994

Appendix A -- Evaluation of

TOTAL HAZARDOUS PRODUCTS CONSUMED

1976 through 1984

at

BRAINERD INDUSTRIES

1723 Webster Street, Dayton, Ohio 45404
OHD 068953645

Support Material
CERCLA, Section 104 (e)
Powell Road Landfill, Huber Heights, Ohio

APPENDIX A

*

HAZARDOUS MATERIALS

Consumed by

BRAINERD INDUSTRIES
Dayton, Ohio

during

Years 1976 through 1984

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Total Potential Materials Consumed 1

Comparison of Analytical Data to Brainerd Production Supplies 2

Solvents to Off-Site Incinerators 3
- Manifests
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Industrial Waste Disposal Company Invoices 4

Procedure used to determine potential HazMat amounts 5

What is ChemMaster 6

Specific Printing Inks MSDS from suppliers 7
- MSDS 050 - Lithographic Non leaded Inks
- MSDS 051 - Lithographic Leaded Inks
- MSDS 362 - Plastics Dept. Silk Screen Leaded Inks
- MSDS 363 - Plastics Dept. Silk Screen Non Leaded Inks
- MSDS 379 - Aluminum Dept. Silk Screen Leaded Inks
- MSDS 371 - Aluminum Dept. Silk Screen Non Leaded Inks

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1981 Hazardous Materials Invoices 9
- ChemMaster Inventory by MSDSs
- ChemMaster Calculations of Hazardous Chemicals

1982 Hazardous Materials Invoices 10
- ChemMaster Inventory by MSDSs
- ChemMaster Calculations of Hazardous Chemicals

1983 ChemMaster Inventory by MSDSs 11
- Hazardous Materials Invoices
- ChemMaster Calculations of Hazardous Chemicals

1 TOTAL MAT'LS

Procedure Used To
Determine
Total Consumed Hazardous Materials
By
Brainerd Industries

1. Company records for fiscal years (FY = September 1 through August 31) 1981, 1982, and 1983 was made. Copies of each invoice for hazardous materials consumed was made.

2. Each invoice was entered into data base and sorted according to item and supplier.

3. MSDS number was assigned to each item after master sort. (Oldest most MSDS used to assure data represented an accurate listing of components in item at time consumed).

4. Records were resorted, sorting by MSDS number at date purchased and amounts of each MSDS item was calculated for entry into ChemMaster.

5. Net Sales for years 1976 to 1984 were determined after adjusting by U.S. Consumer Price Index information and entered into spread sheet.

6. ChemMaster determined the chemicals within each product (identify as MSDS-###) and calculated the combined total pounds of each chemical for each of the three researched years.

7. The average amount for each chemical used during 1981, 1982, and 1983 was calculated.

8. The average net sales for 1981, 1982, and 1983 was calculated.

9. A percentage to net sales for each chemical was calculated.

10. The pounds used of a specific chemical in years 1976 through 1981 was made by calculating the % relationship to net sales made in step nine.

POWELL ROAD LANDFILL HAZARDOUS MATERIALS POTENTIAL FOR YEARS 1976 TO 1984

Chemical	CAS #	1976	1977	1978	1979	1980	1981	1982	1983	1984
METHANOL	67-56-1	105	141	244	257	338	331	296	425	425
ACETONE	67-64-1	1,404	1,876	3,258	3,435	4,507	4,418	4,193	4,810	6,290
N-BUTYL ALCOHOL	71-36-3	214	286	497	524	688	674	752	850	732
BENZENE	71-43-2	15	20	35	36	48	47	61	43	58
METHYLENE CHLORIDE	75-09-2	1,179	1,575	2,735	2,884	3,784	3,709	3,503	4,103	5,235
1,1,2-TRICHLOROTRIFLUOROETHANE (Freon)	76-13-1	10,314	13,783	23,932	25,234	33,110	32,454	28,971	41,690	41,690
METHYL ETHYL KENTONE	78-93-3	112	149	259	273	358	351	405	405	405
PROPYLENE GLYCOL MONOMETHYL ETHER	107-98-2	1,368	1,828	3,174	3,347	4,391	4,304	5,642	4,359	4,899
HEXONE	108-10-1	123	165	286	301	395	387	418	362	561
TOLUENE	108-88-3	391	523	908	958	1,257	1,232	1,236	1,640	1,388
2-ETHOXETHANOL	110-80-5	47	63	110	116	152	149	514	2	0
2-ETHOXYETHYL ACETATE	111-15-9	34	45	78	82	108	105	105	65	195
2-BUTOXYETHANOL	111-76-2	225	301	523	551	723	709	959	755	741
XYLENE, MIXED ISOMERS	1330-20-7	178	237	412	434	570	559	558	742	634
LEAD	7439-92-1	378	505	876	924	1,212	1,188	1,068	1,177	1,868
COPPER	7440-50-8	7	9	16	17	22	22	9	13	54
LEAD (II) SULFATE (1:1)	7446-14-2	29	39	67	71	93	91	25	75	216
BARIUM SULFATE	7727-43-7	30	40	69	73	95	93	35	128	160
LEAD CHROMATE (VI)	7758-97-6	30	40	70	74	97	95	45	86	198
LEAD MOLYBDATE	10190-55-3	3	4	7	8	10	10	3	7	24
DIPROPYLENE GLYCOL METHYL ETHER	34590-94-8	3	4	7	8	10	10	18	9	7
TOTAL USED PER INVOICES		16,189	21,634	37,563	39,606	51,968	50,938	48,816	61,746	65,780
TOTAL POTENTIAL EXCLUDING FREON		5,875	7,850	13,631	14,372	18,858	18,484	19,845	20,056	24,090

THIS SPREADSHEET DEVELOPED AS FOLLOWS:

Years 1982, 1983, and 1984 are actual amounts used per invoices and entered into ChemMaster
Years 1976 - 1984 Net $ Sales were adjusted by U.S. Consumer Price Index
Amounts used in 1976 through 1981 are calculated by averaging amount used '82, '83, &'84 as a % of Adjusted $ Sales

POWELL ROAD LANDFILL HAZARDOUS MATERIALS POTENTIAL FOR YEARS 1976 TO 1984

Year	Actual $ Sales	% of 83 Base	Adj.Sales
1974	816,720	2.17	1,772,308
1975	1,160,994	2.04	2,368,428
1976	2,222,861	1.85	4,112,293
1977	2,660,149	1.63	4,336,043
1978	3,896,807	1.46	5,689,338
1979	4,100,435	1.36	5,576,592
1980	4,572,631	1.28	5,852,968
1981	5,533,760	1.21	6,695,850
1982	5,353,481	1.11	5,942,364
1983	6,667,379	0	6,667,379

BRAINERD INDUSTRIES
(SOURCE: DAVIE, KAPLAN & BRAVERMAN FINANCIALS

WILSON JONES COMPANY

FYE	NET SALES
1974	816,732
1975	1,160,994
1976	2,222,861
1977	2,660,149
1978	3,876,807
1979	4,100,435
1980	4,572,631
1981	5,533,760
1982	5,353,481
1983	6,667,379
1984	8,754,083
1985	7,309,140
1986	6,364,304
1987	6,837,655
1988	6,586,291
1989	6,959,013
1990	6,528,116
1991	5,937,273
1992	5,912,529

6/18/93

Consumer Price Index

All Urban Consumers (CPI-U)
1982-1984 = 100
Source: U.S. Bureau of Labor Statistics

How to figure the percentage increase between any two months:
1. Subtract the index for the earlier month from the later month.
2. Divide that number by the index for the earlier month.
3. Move the decimal point two places to the right.

YEAR	JAN.	FEB.	MAR.	APR.	MAY	JUNE	JULY	AUG.	SEP.	OCT.	NOV.	DEC.	AVG.	PERCENT CHANGE DEC-DEC	PERCENT CHANGE AVG-AVG
1956	26.8	26.8	26.8	26.9	27.0	27.2	27.4	27.3	27.4	27.5	27.5	27.6	27.2	3.0	1.5
1957	27.6	27.7	27.8	27.9	28.0	28.1	28.3	28.3	28.3	28.3	28.4	28.4	28.1	2.9	3.3
1958	28.6	28.6	28.8	28.9	28.9	28.9	29.0	28.9	28.9	28.9	29.0	28.9	28.9	1.8	2.8
1959	29.0	28.9	28.9	29.0	29.0	29.1	29.2	29.2	29.3	29.4	29.4	29.4	29.1	1.7	0.7
1960	29.3	29.4	29.4	29.5	29.5	29.6	29.6	29.6	29.6	29.8	29.8	29.8	29.6	1.4	1.7
1961	29.8	29.8	29.8	29.8	29.8	29.8	30.0	29.9	30.0	30.0	30.0	30.0	29.9	0.7	1.0
1962	30.0	30.1	30.1	30.2	30.2	30.2	30.3	30.3	30.4	30.4	30.4	30.4	30.2	1.3	1.0
1963	30.4	30.4	30.5	30.5	30.5	30.6	30.7	30.7	30.7	30.8	30.8	30.9	30.6	1.6	1.3
1964	30.9	30.9	30.9	30.9	30.9	31.0	31.1	31.0	31.1	31.1	31.2	31.2	31.0	1.0	1.3
1965	31.2	31.2	31.3	31.4	31.4	31.6	31.6	31.6	31.6	31.7	31.7	31.8	31.5	1.9	1.6
1966	31.8	32.0	32.1	32.3	32.3	32.4	32.5	32.7	32.7	32.9	32.9	32.9	32.4	3.5	2.9
1967	32.9	32.9	33.0	33.1	33.2	33.3	33.4	33.5	33.6	33.7	33.8	33.9	33.4	3.0	3.1
1968	34.1	34.2	34.3	34.4	34.5	34.7	34.9	35.0	35.1	35.3	35.4	35.5	34.8	4.7	4.2
1969	35.6	35.8	36.1	36.3	36.4	36.6	36.8	37.0	37.1	37.3	37.5	37.7	36.7	6.2	5.5
1970	37.8	38.0	38.2	38.5	38.6	38.8	39.0	39.0	39.2	39.4	39.6	39.8	38.8	5.6	5.7
1971	39.8	39.9	40.0	40.1	40.3	40.6	40.7	40.8	40.8	40.9	40.9	41.1	40.5	3.3	4.4
1972	41.1	41.3	41.4	41.5	41.6	41.7	41.9	42.0	42.1	42.3	42.4	42.5	41.8	3.4	3.2
1973	42.6	42.9	43.3	43.6	43.9	44.2	44.3	45.1	45.2	45.6	45.9	46.2	44.4	8.7	6.2
1974	46.6	47.2	47.8	48.0	48.6	49.0	49.4	50.0	50.6	51.1	51.5	51.9	49.3	12.3	11.0
1975	52.1	52.5	52.7	52.9	53.2	53.6	54.2	54.3	54.6	54.9	55.3	55.5	53.8	6.9	9.1
1976	55.6	55.8	55.9	56.1	56.5	56.8	57.1	57.4	57.6	57.9	58.0	58.2	56.9	4.9	5.8
1977	58.5	59.1	59.5	60.0	60.3	60.7	61.0	61.2	61.4	61.6	61.9	62.1	60.6	6.7	6.5
1978	62.5	62.9	63.4	63.9	64.5	65.2	65.7	66.0	66.5	67.1	67.4	67.7	65.2	9.0	7.6
1979	68.3	69.1	69.8	70.6	71.5	72.3	73.1	73.8	74.6	75.2	75.9	76.7	72.6	13.3	11.3
1980	77.8	78.9	80.1	81.0	81.8	82.7	82.7	83.3	84.0	84.8	85.5	86.3	82.4	12.5	13.5
1981	87.0	87.9	88.5	89.1	89.8	90.6	91.6	92.3	93.2	93.4	93.7	94.0	90.9	8.9	10.3
1982	94.3	94.6	94.5	94.9	95.8	97.0	97.5	97.7	97.9	98.2	98.0	97.6	96.5	3.8	6.2
1983	97.8	97.9	97.9	98.6	99.2	99.5	99.9	100.2	100.7	101.0	101.2	101.3	99.6	3.8	3.2
1984	101.9	102.4	102.6	103.1	103.4	103.7	104.1	104.5	105.0	105.3	105.3	105.3	103.9	3.9	4.3
1985	105.5	106.0	106.4	106.9	107.3	107.6	107.8	108.0	108.3	108.7	109.0	109.3	107.6	3.8	3.6
1986	109.6	109.3	108.8	108.6	108.9	109.5	109.5	109.7	110.2	110.3	110.4	110.5	109.6	1.1	1.9
1987	111.2	111.6	112.1	112.7	113.1	113.5	113.8	114.4	115.0	115.3	115.4	115.4	113.6	4.4	3.6
1988	115.7	116.0	116.5	117.1	117.5	118.0	118.5	119.0	119.8	120.2	120.3	120.5	118.3	4.4	4.1

THE KIPLINGER WASHINGTON LETTER—(ISSN 0023-1770)
SUBSCRIPTION RATES: $58-ONE YEAR, $100-TWO YEARS, $130-THREE YEARS, $198-FIVE YEARS
SECOND-CLASS POSTAGE PAID AT WASHINGTON, D.C.

JUN-18-93 FRI 7:45 P.02

2 COMPARISONS

Procedure Used to Make Comparison of Analytical Data Found at Powell Road Site to chemicals found in Brainerd Production Supplies

1. Each chemical listed in Analytical Date of Hazardous Materials found at Powell Road Site (as supplied by US EPA) was entered into ChemMaster to determine CAS number.

2. A comparison of each CAS# found was made to the ChemMaster generated CAS# listing of chemicals within Brainerd Products and identified as a "YES" or "NO".

3. Each product having a chemical component was identified.

4. "Total amount of pounds consumed during 1976 through 1984" for each match found was entered.

5. Each chemical match identified was researched with disposition noted.

COMPARISON OF ANALYTICAL DATA FOUND IN POWEL ROAD LANDFILL AND IN BRAINERD PRODUCTS

CAS #	Chemical	Listed in Brainerd HazMat Products				Remarks
11-00-3	Chloroethane	No				
11-78-1	Dis(2-Ethylhezyl)Phthalate	No				
67-66-3	Chloroform	No				
71-43-2	Benzene	YES	363	Pounds Used Between'76-'84	**	In Mineral Spirits #66
71-55-6	1,1,1-Trichloroethane	No				Min. Spirits incinerated
71-56-6	Trichloroethylene	No				(See Manifest Section)
75-01-4	Vinyl Chloride	No				
75-09-2	Methylene Chloride	YES	28,707	Pounds Used Between'76-'84	**	In Freon & Solv #2166
75-27-4	Bromodichloromethane	No				Solvent #2166 incinerated
75-34-3	1,1-Dichloroethane	No				(See Manifest Section)
75-69-4	Fluorotrichloromethane	No				
91-20-3	Napthalene	No				
95-46-6	Ortho Xylene	No				
95-50-1	1,2-Dichlorobenzene	No				
100-41-4	Ethylbenzene	No				
100-42-5	Styrene	No				
106-42-3	Para Xylene	No				
107-06-2	1,2 Dichloroethane	No				
108-38-3	Meta-Xylene	No				
108-88-3	Tolune	YES	9,533	Pounds Used Between'76-'84	**	In Sprayed Paints & Coating
108-90-7	Chrorobenezene	No				CD-L 444 Coating (incinerated)
108-95-2	Phenol	No				V66V27, R7K84, & F63B13 are
124-48-1	Chlorodibromoethane	No				components of an Air Dry Paint
127-18-4	Trtrachlorothylene	No				
156-59-2	cis-1,2-Dichloroethylene	No				
156-60-5	Trans-1,2-Dichloroethylene	No				
7440-66-6	Zinc	No				

ental Protection Agency
DIRECTOR'S JOURNAL
NOV - 3 1987

SELECTED ANALYTICAL DATA FROM WELLS ON AND AROUND THE POWELL ROAD LANDFILL

CONTAMINANTS	UNITS	WELL PR201 1986 "SURFACE"	WELL PR201 1986 "BOTTOM"	WELL PR201 1985 30 FT	WELL PR201 1985 45 FT	WELL PR201 1985 55 FT	WELLS D2, D2 & D3 3/85	WELLS D2, D2 & D3 7/85	WELLS D2, D2 & D3 9/85	WELLS D2, D3 & D7
Chlorobenzene 108907	ug/l	—	—	—	—	—	13.2	—	—	—
Benzene 71-43-2	ug/l	—	—	4.8	—	6.10	Tr	—	—	14.0
Ethylbenzene 100 41-4	ug/l	53.0	80.0	88.0	52.4	52.4	—	—	—	—
Toluene 108883	ug/l	757.0	697.0	379.0	65.9	66.50	—	—	—	4.0
trans-1,2-Dichloroethylene 156605	ug/l	78.0	17.0	16.3	—	—	—	Tr	5.0	4.0
Chloroethane 77003	ug/l	—	—	—	—	27.90	69.2	—	—	23.0
Methylethyl Ketone Cmpds —	ug/l	—	—	—	—	—	—	—	—	20.0
Styrene 100425	ug/l	15.5	—	—	—	—	—	—	—	2.0
Meta-Xylene 108-38-3	ug/l	110.0	86	—	57.5	153	—	—	—	—
Ortho-and para-Xylenes 95476	ug/l	91.5	117	—	54.2	104	—	—	—	—
Methylene Chloride 106423 75-09-2	ug/l	13.5	5.5	—	—	—	4.0	—	7.2	1400.0
Trichloroethylene 71-56-6	ug/l	7.0	4.0	—	—	—	—	—	—	—
Tetrachloroethylene 127184	ug/l	29.0	Tr	—	—	—	—	—	—	—
1,1-Dichloroethane 75-343	ug/l	—	—	—	—	—	11.0[1]/145.0[2]	—	16.4	—
Vinyl Chloride . 75-01-4	ug/l	—	—	—	—	—	12.0	17.0	19.2	—
Fluorotrichloromethane 75694	ug/l	—	—	—	—	—	—	—	—	181
Phenol 108 95-2	ug/l	—	—	202.0	—	—	—	—	—	20
Bis(2-Ethylhexyl)phthalate 117 81	ug/l	—	—	23.0	—	—	—	—	—	—
1,2-Dichlorobenzene 95-50-1	ug/l	31.0	34.0	14.0	14.7	—	—	—	—	—
Naphthalene 91-20-3	ug/l	—	—	12.0	—	—	—	—	—	—
Zinc 7440 66-6	ug/kg	—	—	7000	—	—	—	—	—	—
Hcb, Total	ug/kg	—	—	3.8	—	—	—	—	—	—

SELECTED ANALYTICAL DATA FROM WELLS ON AND AROUND THE POWELL ROAD LANDFILL
(Continued)

MAXIMUM GROUND WATER LEVELS FOR OTHER CONTAMINANTS FOUND AT NEARBY OFF-SITE LOCATIONS[3]

	OTHER CONTAMINANTS	UNITS	MAXIMUM CONCENTRATIONS FOUND
156-59-2	cis-1,2-Dichloroethylene	ug/l	101.3
75-27-4	Bromodichloromethane	ug/l	8.3
67-663	Chloroform	ug/l	3.2
71-556	1,1,1-Trichloroethane	ug/l	2.2
124481	Chlorodibromomethane	ug/l	1.7
108062	1,2 Dichloroethane —	ug/l	1.1

Ohio Environmental Protection Agency
ENTERED DIRECTOR'S JOURNAL

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[1] PR0102 - Monitoring well installed by Bowser-Morner Associates, Inc. for WHI on 3/16/85. The well is located just off the southwest corner of the fill area and is screened from 119.5' to 124.5' below the ground surface.

[2] PR0103 - Monitoring well installed by Bowser-Morner Associates, Inc. for WHI on 4/02/85. The well is located in the center of the south boundary of the fill area and is screened from 57.0' to 62' below the ground surface.

Tr - Trace

[3] U.S. Environmental Protection Agency, Technical Assistance Team, Region V, Roy F. Weston, Inc., Spring-1985. Samples taken November 3, 1982 to January 31, 1985

3 SOLVENTS

SOLVENT RESOURCE RECOVERY, INC.

SRR

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd.
West Carrollton, Ohio 45449

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M80207

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainerd Metal Co.

Address: 1723 Webster St. City Dayton State Ohio

Telephone Number: 228-0488 P.O. Number:

RECEIVED
AUG 25 1980
BRAINERD MET. DEC., C

Description Of Waste(Account For 100%):

Spent Thinner
NOS Flammable Liquid
Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name Brainerd Metals Co. Authorized Signature John R Scanlon

Generator I.D. Code Title

Date 8-19-80

TO BE COMPLETED BY TRANSPORTER

Transporter Name Ace Ticket No. Date Of Pickup 8-19-80

Address 3715 Beechmont Court Arrival At Site AM 5:10 PM

City Cincinnati State Ohio Departure From Site AM 5:50 PM

Vehicle I.D. No. 1 Total Loading Time Hrs 40 Mins

This is to certify acceptance of the hazardous waste shipment. Quantity Of Waste 23 Drums (1265 Gallons)

Transporter Signature Jon Hamming

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery, Inc. Arrival At Site AM 6:30 PM

Date 8-19-80 Departure From Site AM 7:30 PM

Receiving Log No. J80110 Total Off Loading Time 1 Hrs Mins

This is to certify acceptance of waste material for treatment/reclamation.

Received By M Rose Sample No. J80110

Emergency Information

Immediate Response Information | CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

RECEIVED SRR JUN 1 1981

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd.
West Carrollton, Ohio 45449

BRAINERD MET. DEC., CO.

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M81301

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainerd Metal Co.

Address: 1723 Webster St. City Dayton State Ohio

Telephone Number: 228-0488 P.O. Number:

Description Of Waste(Account For 100%):

Spent Thinner

NOS Flammable Liquid

Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name Brainerd Metals Authorized Signature M. Stewart

Generator I.D. Title

Date

TO BE COMPLETED BY TRANSPORTER OHD017609900

Transporter Name Ace Liquid Waste Haulers Ticket No. Date Of Pickup 5-21-81

Address 3715 Beechmont Ct. Arrival At Site 9:15 AM PM

City Cincinnati State Ohio Departure From Site AM 12:10 PM

Vehicle I.D. No. 3 Total Loading Time 2 Hrs 55 Mins

Transporter I.D. OHD 01760 9900

This is to certify acceptance of the hazardous waste shipment. Quantity Of Waste 1595 gal.

Transporter Signature David Akellen

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery, Inc. Arrival At Site AM 12:45 PM

Date 5-21-81 Departure From Site AM 1:20 PM

Receiving Log No. J81301 Total Off Loading Time Hrs 35 Mins

This is to certify acceptance of waste material for treatment/reclamation.

Received By [illegible] Sample No. J81301

Emergency Information

Immediate Response Information | CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

Attn: Gary Updyke
mailed 11-2-81

Comp # 1

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd.
West Carrollton, Ohio 45449

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M81723

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainard Metal

Address: 1723 Webster St. City Dayton State Ohio

Telephone Number: 228-0488 P.O. Number:

Description Of Waste(Account For 100%):

Spent Thinner UN1263

NOS Flammable Liquid

Flammable

RECEIVED

NOV 4 1981

BRAINERD MET. DEC., CO.

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name Brainard Metal Authorized Signature W. M. Nelson

Generator I.D. Title P.C. MANAGER

Date 10-23-81

TO BE COMPLETED BY TRANSPORTER

Transporter Name Solvent Resource Recovery Ticket No. Date Of Pickup 10-23-81

Address 4301 Infirmary Rd. Arrival At Site AM 12:15 PM

City West Carrollton State Ohio Departure From Site AM 12:55 PM

Vehicle I.D. No. 332-99K16 Total Loading Time Hrs 40 Mins

Transporter I.D. OHD093945293

This is to certify acceptance of the hazardous waste shipment. Quantity Of Waste 15 drums

Transporter Signature Gross

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery Inc. Arrival At Site AM PM

Date 10-23-81 Departure From Site AM PM

Receiving Log No. J81723 Total Off Loading Time Hrs Mins

This is to certify acceptance of waste material for treatment/reclamation.

Received By Sample No. J81723

Emergency Information

Immediate Response Information CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

SOLVENT RESOURCE RECOVERY, INC.

SRR

FEDERAL EPA ID — OHD093945293

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd.
West Carrollton, Ohio 45449

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M20107

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainard Metal Co. City: Dayton State: Ohio

Address: 1723 Webster St. P.O. Number:

Telephone Number: 228-0488

Description Of Waste(Account For 100%):

Spent Thinner UN1263

NOS Flammable Liquid

Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name: Brainard Metal Co. Authorized Signature:

Generator I.D.: Title:

Date: 2-18-92

TO BE COMPLETED BY TRANSPORTER

Transporter Name: Solvent Resource Recovery Ticket No.: 15545 Date Of Pickup: 3-10-92

Address: 4301 Infirmary Rd. Arrival At Site: AM 8:30 PM

City: West Carrollton State: Ohio Departure From Site: AM 2:30 PM

Vehicle I.D. No.: 332-99K16 Total Loading Time: Hrs Mins

Transporter I.D.: OHD093945293 Quantity Of Waste: 20 Drums

This is to certify acceptance of the hazardous waste shipment.

Transporter Signature:

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge:

Comments on delays not authorized:

Received at: Solvent Resource Recovery, Inc. Arrival At Site: AM PM

Date: Departure From Site: AM PM

Receiving Log No.: Total Off Loading Time: Hrs Mins

This is to certify acceptance of waste material for treatment/reclamation.

Received By: Sample No.:

Emergency Information

CHEMTREC 1-800-424-9300

Immediate Response Information

Shipping Instructions

mailed 7-21-82

2

SOLVENT RESOURCE RECOVERY, INC.

RECEIVED

FEDERAL EPA ID — OHD093945293

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd
West Carrollton, Ohio 45449

JUL 16 1982
BRAINERD INDUSTRIES

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M20633

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainard Metal Products

Address: 1223 Webster St. City Dayton State Ohio

Telephone Number: 228-0488 P.O. Number:

Description Of Waste(Account For 100%):

Spent Thinner UN1263
NOS Flammable Liquid
Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name Brainard Metal Products Authorized Signature X [signature]

Generator ID Title

Date 7/6/82

TO BE COMPLETED BY TRANSPORTER

Transporter Name Solvent Resource Recovery Ticket No. Date Of Pickup 7/6/82

Address 4301 Infirmary Rd. Arrival At Site AM 2:00 PM

City West Carrollton State Ohio Departure From Site AM 2:30 PM

Vehicle I.D. No. 332099K16 Total Loading Time Hrs Mins

Transporter I.D. OHD093945293

This is to certify acceptance of the hazardous waste shipment. Quantity Of Waste 15 drums.

Transporter Signature [signature]

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery, Inc. Arrival At Site AM PM

Date 7-6-82 Departure From Site AM PM

Receiving Log No. J20633 Total Off Loading Time Hrs Mins

This is to certify acceptance of waste material for treatment/reclamation.

Received By [signature] Sample No. J20633

Emergency Information

Immediate Response Information CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

mailed 2-1-83

RECEIVED 2

FEB 4 1983

BRAINERD INDUSTRIES

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd.
West Carrollton, Ohio 45449

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M30014

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainard Metal Co.

Address: 1723 Webster St. City Dayton State Ohio

Telephone Number: 513/228-0488 P.O. Number:

Description Of Waste(Account For 100%):

Spent Thinner UN1263

NOS Flammable Liquid

Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name Brainard Metal Co. Authorized Signature Oliver Edmondson

Generator ID Title

Date 1/7/83

TO BE COMPLETED BY TRANSPORTER

Transporter Name Solvent Resource Recovery Ticket No. Date Of Pickup 1/2/83

Address 4301 Infirmary Rd. Arrival At Site AM 1:00 PM

City West Carrollton State Ohio Departure From Site AM 2:00 PM

Vehicle I.D. No. 332-99K16 Total Loading Time Hrs Mins

Transporter I.D. OHD093945293

This is to certify acceptance of the hazardous waste shipment. Quantity Of Waste 20 drums.

Transporter Signature G. Ross

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery, Inc. Arrival At Site AM PM

Date Departure From Site AM PM

Receiving Log No. J 30014 Total Off Loading Time Hrs Mins

This is to certify acceptance of waste material for treatment/reclamation.

Received By Sample No. J 30014

Emergency Information

Immediate Response Information | CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

Aton Dump Paper
mailed 7-6-83

2 Comp

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd.
West Carrollton, Ohio 45449

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M30670

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainard Metal

Address: 1723 Webster St. City Dayton State Ohio

Telephone Number: 228-0488 P.O. Number:

Description Of Waste(Account For 100%):

Spent Thinner UN1263
NOS Flammable Liquid
Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest

Generator Name Brainard Metal Authorized Signature [signature]

Generator ID Title

Date 6-15-1983

TO BE COMPLETED BY TRANSPORTER

Transporter Name Solvent Resource Recovery Ticket No. Date Of Pickup 6-15-1983

Address 4301 Infirmary Rd. Arrival At Site 9:00 AM PM

City West Carrollton State Ohio Departure From Site 10:15 AM PM

Vehicle I.D. No. 332-99K16 Total Loading Time Hrs Mins

Transporter I.D. OHD093945293

This is to certify acceptance of the hazardous waste shipment. Quantity Of Waste 20 Drum

Transporter Signature Wayne E [signature]

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery, Inc. Arrival At Site AM PM

Date 6-15-83 Departure From Site AM PM

Receiving Log No. J306070 Total Off Loading Time Hrs Mins

RECEIVED

This is to certify acceptance of waste material for treatment/reclamation.

Received By [signature] Sample No. 530670

JUL 8 1983

Emergency Information

Immediate Response Information CHEMTREC 1-800-424-9300

BRAINERD INDUSTRIES

Special Handling Instructions

Comments

Solvent Resource Recovery, Inc.
P. O. Box 453
West Carrollton, OH 45449
(513) [illegible]101

INVOIC

RECEIVED
OCT 11 1983

I830949

SALESPERSON	DATE OF INVOICE
JH	9-30-83

TO:

Brainard Metals Co.
1723 Webster St.
Dayton, Ohio 45404

SHIP TO: BRAINERD INDUSTRIES

ACCOUNT NO.	DATE SHIPPED	SHIPPED VIA	COL	PP	F.O.B. POINT	TERMS	YOUR ORDER NUMBER
B-6	9-29-83	SRR			your dock	Net 10 Days	

QUANTITY	DESCRIPTION	UNIT PRICE	AMO
16 drums	Disposal of Spent Thinner	@ 25.00/dr.	400.0

P. O. #
MATERIAL RECD
COST CHECKED
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

Thank You

TOTAL 400.00

ORIGINAL

Transporter Signature

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery, Inc.
Date 9-29-83
Receiving Log No. J31144

Arrival At Site ____ AM ____ PM
Departure From Site ____ AM ____ PM
Total Off Loading Time ____ Hrs ____ Mins

This is to certify acceptance of waste material for treatment/reclamation.
Received By
Sample No. J31144

Emergency Information

Immediate Response Information

CHEMTREC 1-800-424-9300

RECEIVED

Special Handling Instructions

Comments

Gary Opdyke
1-12-84
2

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Rd.
West Carrollton, Ohio 45449

INDUSTRIAL LIQUID WASTE BILL OF LADING

Manifest No. M40032

TO BE COMPLETED BY WASTE GENERATOR

Company Name: Brainard Metal Co.

Address: 1723 Webster St. City Dayton State Ohio

Telephone Number: 228-0488 P.O. Number:

RECEIVED
JAN 10 1984
BRAINERD INDUSTRIES

Description Of Waste(Account For 100%):

Spent Thinner UN1263
NOS Flammable Liquid
Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name Brainard Metal Co. Authorized Signature [signature]

Generator ID Small Generator Title

Date 1/10/84

TO BE COMPLETED BY TRANSPORTER

Transporter Name Solvent Resource Recovery Ticket No. Date Of Pickup 1/10/84

Address 4301 Infirmary Rd. Arrival At Site 9:00 AM PM

City West Carrollton State Ohio Departure From Site 9:45 AM PM

Vehicle I.D. No. 332-99K16 Total Loading Time Hrs Mins

Transporter I.D. OHD093945293

This is to certify acceptance of the hazardous waste shipment. Quantity Of Waste 18 drums.

Transporter Signature [signature]

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge

Comments on delays not authorized

Received at Solvent Resource Recovery, Inc. Arrival At Site AM PM

Date 1-10-84 Departure From Site AM PM

Receiving Log No. J40032 Total Off Loading Time Hrs Mins

This is to certify acceptance of waste material for treatment/reclamation.

Received By [signature] Sample No. J40032

Emergency Information

Immediate Response Information | CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments.

HAZARDOUS WASTE MANIFEST

Gary
4-24

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

SRR™

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

RECEIVED

Production Facility: 4301 Infirmary Road
West Carrollton, Ohio 45449

APR 26 1984

Manifest No. M40503

TO BE COMPLETED BY WASTE GENERATOR

BRAINERD INDUSTRIES

Company Name: Brainard Metals
Address: 1723 Webster St. City Dayton State Ohio
Telephone Number: 228-0488 P.O. Number:

Description of Waste (Account For 100%):

Spent Thinner UN1263
NOS Flammable Liquid
Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name Brainard Metals
Generator I.D. Small Generator
Authorized Signature K. Keith Ford
Title
Date 4/19/84

TO BE COMPLETED BY TRANSPORTER

Transporter Name Solvent Resource Recovery
Address 4301 Infirmary Rd.
City West Carrollton State Ohio
Vehicle I.D. No. 332-99K16
Transporter I.D. OHD093945293
This is to certify acceptance of the hazardous waste shipment.
Transporter Signature [illegible]

Ticket No. Date of Pickup 4/19/84
Arrival At Site AM 1:00 PM
Departure From Site AM 1:45 PM
Total Loading Time Hrs Mins
Quantity of Waste 19 drums

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge
Comments on delays not authorized

Received at Solvent Resource Recovery, Inc.
Date 4-19-84
Receiving Log No. J40503
This is to certify acceptance of waste material for treatment/reclamation.
Received By [illegible]

Arrival At Site AM PM
Departure From Site AM PM
Total Off Loading Time Hrs Mins
Sample No. J40503

Emergency Information

Immediate Response Information

CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

Gary Opdy
9-6-84

HAZARDOUS WASTE MANIFEST

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

SRR™

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

Production Facility: 4301 Infirmary Road
West Carrollton, Ohio 45449

Manifest No. 41122

TO BE COMPLETED BY WASTE GENERATOR

Company Name: BRAINARD METAL CO.
Address: 1723 WEBSTER ST. City DAYTON State OH 45404
Telephone Number 228-0488 P.O. Number: 0

Description of Waste (Account For 100%):

WASTE SOLVENT UN1993
NOS Flammable Liquid
Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name BRAINARD METAL CO. Authorized Signature x Keith Ford
Generator I.D. SM GENERATOR Title
Date 8/29/84

TO BE COMPLETED BY TRANSPORTER

Transporter Name SOLVENT RESOURCE RECOVERY Ticket No. Date of Pickup 8/29/84
Address P.O. BOX 453 Arrival At Site AM 12:45 PM
City WEST CARROLLTON State OH 45449 Departure From Site AM 2:00 PM
Vehicle I.D. No. 332-2511 Total Loading Time Hrs Mins
Transporter I.D. OHD093945293
This is to certify acceptance of the hazardous waste shipment. Quantity of Waste 8 drums
Transporter Signature [illegible]

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge
Comments on delays not authorized

Received at Solvent Resource Recovery, Inc. Arrival At Site AM PM
Date 8/29/84 Departure From Site AM PM
Receiving Log No. 54122 Total Off Loading Time Hrs Mins
This is to certify acceptance of waste material for treatment/reclamation.
Received By [illegible] Sample No. 54122

Emergency Information

Immediate Response Information | CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

Gary Opdyke 9.6.84

HAZARDOUS WASTE MANIFEST

SOLVENT RESOURCE RECOVERY, INC.

FEDERAL EPA ID — OHD093945293

SRR™

Mailing Address: P.O. Box 453
West Carrollton, Ohio 45449
(513) 859-6101

RECEIVED
SEP 10 1984

Production Facility: 4301 Infirmary Road
West Carrollton, Ohio 45449

Manifest No. 41123

TO BE COMPLETED BY WASTE GENERATOR BRAINERD INDUSTRIES

Company Name: BRAINARD METAL CO.
Address: 1723 WEBSTER ST. City DAYTON State OH 45404
Telephone Number: 228-0488 P.O. Number: 0

Description of Waste (Account For 100%):

WASTE SOLVENT UN1998
NOS Flammable Liquid
Flammable

The consigner, or authorized generator representative, certifies that the above named materials are properly classified, described, packaged, marked, and labeled and are in proper condition for transportation according to the applicable regulations of the U.S. Department of Transportation and the U.S. Environmental Protection Agency. The generator assumes liability for any hazardous chemical or toxic constituent not identified by this manifest.

Generator Name BRAINARD METAL CO.
Generator I.D. SM GENERATOR
Authorized Signature Keith Ford
Title
Date 8/29/84

TO BE COMPLETED BY TRANSPORTER

Transporter Name SOLVENT RESOURCE RECOVERY
Address P.O. BOX 453
City WEST CARROLLTON State OH 45449
Vehicle I.D. No. 332-2511
Transporter I.D. OHD093945293
Ticket No.
Date of Pickup 8/29/84
Arrival At Site AM 12:45 PM
Departure From Site AM 2:00 PM
Total Loading Time Hrs Mins
This is to certify acceptance of the hazardous waste shipment.
Quantity of Waste 13 drums.
Transporter Signature G Ross

Generators responsible for delays in excess of one hour loading time will authorize payment of demurrage charges for excess time.

Generator signature authorizing demurrage charge
Comments on delays not authorized

Received at Solvent Resource Recovery, Inc.
Date 8/29/84
Receiving Log No. J41123
Arrival At Site AM PM
Departure From Site AM PM
Total Off Loading Time Hrs Mins
This is to certify acceptance of waste material for treatment/reclamation.
Received By Tom Buchanan
Sample No. J41123

Emergency Information

Immediate Response Information
CHEMTREC 1-800-424-9300

Special Handling Instructions

Comments

RECAPITULATION OF SOLVENT USEAGE IN COATER DEPARTMENT

1992	Ctr #1	Ctr #2	Ctr #3	
January	57	40		
February	43	28		
March	47	53		
April	61	33	5	
May	67	17		Total Gals
June	29	33		**1081**
July	43	27		
August	72	42		- 30%
September	58	41		Fugitive
October	68	31		Emission
November	48	45		Total Gals
December	64	29		**757**

Total Purchased 1992	T/Gal Waste	% Waste
2590	**757**	**29.2**

1992 Solvents Inventory Control Sheet

Mfg.	ChemCentral		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	Mineral	Start	110	165	110	110	55	55	55	110	110	110	110	75	
	Spirits	Add	55						110					55	T/Used
	Rule 66	End	165	110	110	55	55	55	110	110	110	110	75	60	**270**
MSDS:	324	G/USED		55		55			55				35	70	

Mfg.	ChemCentral		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	Solvent	Start	270	100	70	25	440		165	340	90	55	70	55	
	959	Add	220	275	275	715		440	440		275	330	220	275	T/Used
		End	100	70	25	440		165	340	90	55	70	55	110	**3625**
MSDS:	427	G/USED	390	305	320	300	440	275	265	250	310	315	235	220	

Mfg:	ChemCentral		Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
	Solvent	Start	120	55	120	90		55	165	275	20	20		30	
	2166	Add	165	275	165	110	275	330	275		220	220	275	220	T/Used
		End	55	120	90		55	165	275	20	20		30	60	**2590**
MSDS:	430	G/USED	230	210	195	200	220	220	165	255	220	240	245	190	

Mfg:			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
		Start													
		Add													T/Used
		End													
MSDS:		G/USED													

Mfg:			Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	
		Start													
		Add													T/Used
		End													
MSDS:		G/USED													

VOC EMISSIONS --- COATER DEPARTMENT

Jan-92 VOC EMISSIONS -- COATER NO. 1 (P025)

[illegible]59 (Washup) +	57.00	T/Gallons	128.3	T/VOCs	
) (Coating) +	38.03				
[illegible] Clear Size +	51.50		351.2		
CD-L 444 Lacq. +					Total Emissions
CD-1 447 Lacq. +	8.00		48.6		
XLS-223 UV In. +	0.50		3.5		925.3 VOCs
XLB-365 Fl.Past +					
UBD-777 Blue +					
UBN-777 Blue +					
CV-1 291 Strip +	58.00		208.2		Total Products
1057 White Coat +	6.50		39.1		
6585-D Black +	8.00		51.0		242.8 Gallons
4615 Ch.Yellow +	12.00		75.2		
88202-9221 Oran +	2.00		12.5		
86202-4113 Brow +	1.00		5.9		
3163 Red Vinyl +					
8440-D Varnish +					
No. 20 Hardener +					
9360 Flow.Agent +					
Brass Concen. +	0.06		0.4		
7474 Black Con. +					
5392 Yellow Con +	0.14		1.0		
5410 Red Concen +	0.06		0.4		

VOC EMISSIONS

Date	12/30	12/31	01/01	01/02	01/03	01/04
Solvents, Clean-up						
ents, into Coatings				1.00	1.00	
l Gallons				3.00	5.00	
Total VOC Emissions				20.46	17.95	
Average VOC/Hour	ERR	ERR	ERR	2.56	2.24	ERR

Date	01/06	01/07	01/08	01/09	01/10	01/11
Solvents, Clean-up	5.00		6.00		3.00	
Solvents, into Coatings	4.50	0.50	2.00		1.88	
Total Gallons	7.00	7.00	8.03		7.00	
Total VOC Emissions	57.64	43.37	45.67		54.49	
Average VOC/Hour	3.60	5.42	2.85	ERR	3.41	ERR

Date	01/13	01/14	01/15	01/16	01/17	01/18
Solvents, Clean-up	3.00	2.00	4.00		4.00	
Solvents, into Coatings	2.00	4.50	1.50	1.75	2.00	
Total Gallons	14.05	16.00	17.50	18.00	18.50	
Total VOC Emissions	35.09	38.60	70.22	52.05	51.95	
Average VOC/Hour	2.19	2.41	4.39	3.25	3.25	ERR

Date	01/20	01/21	01/22	01/23	01/24	01/25
Solvents, Clean-up	4.00	4.00	7.00		3.00	
Solvents, into Coatings	1.65	2.50	1.50	3.00	2.50	
Total Gallons	21.65	27.50	27.50	19.50	26.50	
Total VOC Emissions	42.45	48.87	63.30	32.08	55.21	
Average VOC/Hour	2.65	3.05	3.96	2.00	3.45	ERR

[illegible]	01/27	01/28	01/29	01/30	01/31	02/01
Solvents, Clean-up	4.00	4.00	4.00			
Solvents, into Coatings	2.00	0.25	1.50		0.50	
Total Gallons	6.06	1.00	10.00		3.12	
Total VOC Emissions	40.68	12.59	44.90		20.46	
Average VOC/Hour	2.54	1.57	2.81	ERR	2.56	ERR

VOC EMISSIONS --- COATER DEPARTMENT

FIRST SHIFT	MONDAY --			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY		
Month of	12/30			12/31			01/01			01/02			01/03			01/04		
Jan-92	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
D-959 (Washup)														2.00				
D-959 (Coating)										1.00	2.00		1.00	0.50				
CV-L Clear Size										3.00				2.50				
CD-L 444 Lacq.																		
CD-1 447 Lacq.											3.00							
XLS-223 UV In.																		
XLB-365 Fl.Past											0.50							
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip													5.00					
1057 White Coat																		
6585-D Black																		
4615 Ch.Yellow																		
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.														0.02				
7474 Black Con.																		
5392 Yellow Con														0.19				
5410 Red Concen														0.09				
Hours										8	8		8	8				

SECOND SHIFT	12/30			12/31			01/01			01/02			01/03			01/04		
D-959 (Washup)											3.00							
D-959 (Coating)											2.00							
CV-L Clear Size																		
CD-L 444 Lacq.																		
CD-1 447 Lacq.											5.00							
XLS-223 UV In.																		
XLB-365 Fl.Past																		
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip																		
1057 White Coat																		
6585-D Black																		
4615 Ch.Yellow																		
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.																		
7474 Black Con.																		
? Yellow Con																		
) Red Concen																		
Hours											8							

VOC EMISSIONS --- COATER DEPARTMENT

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

FIRST SHIFT	MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY		
Month of	01/06			01/07			01/08			01/09			01/10			01/11		
Jan-92	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
D-959 (Washup)	2.00						2.00	4.00										
D-959 (Coating)	2.50	0.75		0.50							2.00		1.00					
CV-L Clear Size	2.00						1.00						3.00					
CD-L 444 Lacq.																		
CD-1 447 Lacq.		3.00						2.00			3.00							
XLS-223 UV In.																		
XLB-365 Fl.Past																		
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip							2.00											
1057 White Coat				2.00														
6585-D Black																		
4615 Ch.Yellow				5.00														
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.																		
7474 Black Con.																		
5392 Yellow Con							0.03											
5410 Red Concen																		
Hours	8	8		8			8	8		8			8					

SECOND SHIFT	01/06			01/07			01/08			01/09			01/10			01/11		
D-959 (Washup)	3.00	3.00					4.00				3.00		3.00					
D-959 (Coating)	2.00	1.75			1.50		2.00	1.25			1.75		0.88					
CV-L Clear Size	2.00							3.00					4.00					
CD-L 444 Lacq.																		
CD-1 447 Lacq.		2.00			5.00						1.50							
XLS-223 UV In.		0.25			0.25													
XLB-365 Fl.Past																		
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip							5.00											
1057 White Coat																		
6585-D Black	3.00																	
4615 Ch.Yellow																		
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.																		
Black Con.																		
Yellow Con																		
5410 Red Concen																		
Hours	8	8		8			8	8		8			8					

VOC EMISSIONS --- COATER DEPARTMENT

Feb-92 VOC EMISSIONS -- COATER NO. 1 (P025)

9 (Washup) +	43.50	T/Gallons	97.9	T/VOCs		
3 (Coating) +	27.13					
CV-L Clear Size +	43.00		293.3			
CD-L 444 Lacq. +					Total Emissions	
CD-1 447 Lacq. +	12.00		72.8			
XLS-223 UV In. +	0.50		3.5		697.7 VOCs	
XLB-365 Fl.Past +	0.25		1.4			
UBD-777 Blue +						
UBN-777 Blue +						
CV-1 291 Strip +	48.00		172.3		Total Products	
1057 White Coat +	1.00		6.0			
6585-D Black +	3.00		19.1		183.4 Gallons	
4615 Ch.Yellow +	5.00		31.4			
88202-9221 Oran +						
86202-4113 Brow +						
3163 Red Vinyl +						
8440-D Varnish +						
No. 20 Hardener +						
9360 Flow.Agent +						
Brass Concen. +						
7474 Black Con. +						
5392 Yellow Con +						
5410 Red Concen +						

VOC EMISSIONS

Date	02/03	02/04	02/05	02/06	02/07	02/08
vents, Clean-up	3.00	10.00	4.00		3.00	
ents, into Coatings	4.50	3.00	2.50	0.50	1.63	
otal Gallons	7.00	11.00	11.00	3.00	8.00	
Total VOC Emissions	54.49	69.97	53.45	20.46	57.56	
Average VOC/Hour	3.41	4.37	3.34	2.56	3.60	ERR

Date	02/10	02/11	02/12	02/13	02/14	02/15
Solvents, Clean-up	4.00	2.00	2.50	4.00		
Solvents, into Coatings	2.00	0.50	3.50	1.00	0.75	
Total Gallons	10.00	2.00	9.00	6.00	3.00	
Total VOC Emissions	44.90	18.14	57.32	33.77	20.46	
Average VOC/Hour	2.81	2.27	3.58	4.22	2.56	ERR

Date	02/17	02/18	02/19	02/20	02/21	02/22
Solvents, Clean-up	4.50	2.00	2.50		2.00	
Solvents, into Coatings	1.50	0.25	0.25	1.00	0.75	
Total Gallons	19.00	11.00	13.00	13.50	18.00	
Total VOC Emissions	62.09	24.96	23.58	34.55	66.72	
Average VOC/Hour	3.88	3.12	2.95	4.32	4.17	ERR

Date	02/24	02/25	02/26	02/27	02/28	02/29
Solvents, Clean-up						
Solvents, into Coatings		2.00			1.50	
Total Gallons		14.00			13.75	
Total VOC Emissions		27.28			27.97	
Average VOC/Hour	ERR	3.41	ERR	ERR	3.50	ERR

e	03/02	03/03	03/04	03/05	03/06	03/07
Solvents, Clean-up						
Solvents, into Coatings						
Total Gallons						
Total VOC Emissions						
Average VOC/Hour	ERR	ERR	ERR	ERR	ERR	ERR

VOC EMISSIONS --- COATER DEPARTMENT

FIRST SHIFT	MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY		
Month of	02/03			02/04			02/05			02/06			02/07			02/08		
Feb-92	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
D-959 (Washup)				6.00														
D-959 (Coating)	1.00			1.00			1.00	1.00		0.50			1.00	1.50				
CV-L Clear Size	3.00									3.00			3.00					
CD-L 444 Lacq.																		
CD-1 447 Lacq.								5.00						5.00				
XLS-223 UV In.								0.25						0.25				
XLB-365 Fl.Past								0.25										
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip				4.00			5.00											
1057 White Coat				1.00														
6585-D Black				2.00														
4615 Ch.Yellow																		
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.																		
7474 Black Con.																		
5392 Yellow Con																		
5410 Red Concen																		
Hours	8			8			8	8		8			8	8				

SECOND SHIFT	02/03			02/04			02/05			02/06			02/07			02/08		
D-959 (Washup)	3.00	2.50		4.00	2.50		4.00				2.50		3.00					
D-959 (Coating)	3.50	1.38		2.00	1.25		1.50				1.75		0.63					
CV-L Clear Size	4.00				3.00													
CD-L 444 Lacq.																		
CD-1 447 Lacq.		3.00					2.00				3.00		5.00					
XLS-223 UV In.		0.25																
XLB-365 Fl.Past																		
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip				4.00			4.00											
1057 White Coat																		
6585-D Black																		
4615 Ch.Yellow																		
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.																		
7474 Black Con.																		
Yellow Con																		
Red Concen																		
Hours	8	8		8	8		8				8		8					

VOC EMISSIONS --- COATER DEPARTMENT

FIRST SHIFT	MONDAY			TUESDAY			WEDNESDAY			THURSDAY			FRIDAY			SATURDAY		
Month of	02/10			02/11			02/12			02/13			02/14			02/15		
Feb-92	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
D-959 (Washup)				2.00														
D-959 (Coating)	1.00	2.00		0.50	1.50		2.50				1.25		0.75	1.50				
CV-L Clear Size				2.00			3.00						3.00					
CD-L 444 Lacq.																		
CD-1 447 Lacq.		4.00			4.00						5.00			3.00				
XLS-223 UV In.		0.25																
XLB-365 Fl.Past											0.50			0.13				
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip	5.00																	
1057 White Coat																		
6585-D Black					2.00													
4615 Ch.Yellow																		
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.																		
7474 Black Con.																		
5392 Yellow Con																		
5410 Red Concen																		
Hours	8	8		8	8		8				8		8	8				

SECOND SHIFT	02/10			02/11			02/12			02/13			02/14			02/15		
D-959 (Washup)	4.00	2.50					2.50			4.00	2.50			2.50				
D-959 (Coating)	1.00	2.13			1.50		1.00			1.00	1.00			1.75				
CV-L Clear Size		3.00					3.00			1.00								
CD-L 444 Lacq.																		
CD-1 447 Lacq.					3.00						3.00			3.00				
XLS-223 UV In.														0.25				
XLB-365 Fl.Past																		
UBD-777 Blue																		
UBN-777 Blue																		
CV-1 291 Strip	5.00						3.00			5.00								
1057 White Coat																		
6585-D Black																		
4615 Ch.Yellow																		
88202-9221 Oran																		
86202-4113 Brow																		
3163 Red Vinyl																		
8440-D Varnish																		
No. 20 Hardener																		
9360 Flow.Agent																		
Brass Concen.																		
7474 Black Con.																		
Yellow Con		0.01																
Red Concen																		
Hours	8	8			8		8			8	8			8				

VOC EMISSIONS -- COATER NO. 1 (P025)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup) +	47.00	105.75	Gals. 243.07	VOCs 918.42
D-959 (Coating) +	41.75			
CV-L Clear Size +	44.50	303.49		
CD-L 444 Lacq. +	4.00	23.08		
CD-1 447 Lacq. +	34.00	206.38		
XLS-223 UV In. +	1.00	6.90		
XLB-365 Fl.Past +				
UBD-777 Blue +				
UBN-777 Blue +				
CV-1 291 Strip +	64.00	229.76		
1057 White Coat +	3.00	18.03		
6585-D Black +	3.00	19.11		
4615 Ch.Yellow +				
88202-9221 Oran +				
86202-4113 Brow +				
3163 Red Vinyl +				
8440-D Varnish +				
No. 20 Hardener +				
9360 Flow.Agent +				
Brass Concen. +	0.30	2.14		
7474 Black Con. +				
5392 Yellow Con +	0.30	2.20		
5410 Red Concen +	0.22	1.58		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions per Hour
03/02				ERR
03/03				ERR
03/04				ERR
03/05	7.50	4.50	2.00	3.48
03/06	8.00	1.50		3.41
03/09	9.55	1.00	2.00	3.63
03/10	6.00	0.75	4.00	2.69
03/11	6.11			3.03
03/12	5.00	1.00	2.00	2.24
03/13	10.00	1.00		2.67
03/16	10.00	2.00		2.67
03/17	8.00	2.25		2.13
03/18	9.03	1.25	3.00	2.64
03/19	9.25	3.50	2.00	3.94
03/20	4.25	1.50	3.00	3.81
03/23	5.00	4.00	3.00	2.89
03/24	9.00	2.00	3.00	3.84
03/25	8.00		3.00	2.22
03/26	4.00		5.00	4.65
03/27	11.33		3.00	4.77
03/30	8.25	4.00		3.14
03/31	11.00	2.00	3.00	2.89
04/01				ERR
04/02				ERR
04/03				ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup) +	53.00	119.25	Gals. 228.95	VOCs 945.40
D-959 (Coating) +	42.38			
CV-L Clear Size +	26.00	177.32		
CD-L 444 Lacq. +				
CD-1 447 Lacq. +	61.00	370.27		
XLS-223 UV In. +	11.00	75.90		
XLB-365 Fl.Past +	1.63	9.38		
UBD-777 Blue +	0.25	1.29		
UBN-777 Blue +				
CV-1 291 Strip +	7.00	25.13		
1057 White Coat +	8.00	48.08		
6585-D Black +	9.00	57.33		
4615 Ch.Yellow +	9.00	56.43		
88202-9221 Oran +				
86202-4113 Brow +				
3163 Red Vinyl +	0.06	0.40		
8440-D Varnish +				
No. 20 Hardener +				
9360 Flow.Agent +				
Brass Concen. +	0.13	0.96		
7474 Black Con. +	0.03	0.22		
5392 Yellow Con +	0.32	2.31		
5410 Red Concen +	0.16	1.13		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions per Hour
03/02	12.50	1.25	5.00	5.72
03/03	9.16	1.25	2.00	3.38
03/04	7.50	4.63		2.85
03/05	8.25	3.00	3.00	3.56
03/06	8.66	3.25		3.31
03/09	7.00	1.50		3.01
03/10	3.50	1.00	4.00	2.76
03/11	9.15	0.08	3.03	3.83
03/12	12.00	0.75		5.40
03/13	4.75	1.50		3.97
03/16	10.00		3.00	7.74
03/17	6.75	2.00	5.00	3.00
03/18	3.75	1.25		2.21
03/19	4.50	2.50		3.40
03/20	4.00	1.50		3.04
03/23	4.00	3.00	2.50	2.84
03/24				ERR
03/25	7.05		3.00	3.29
03/26	4.06		6.00	3.84
03/27	1.00		1.00	1.04
03/30	4.00	3.00	2.00	3.97
03/31				ERR
04/01				ERR
04/02				ERR
04/03				ERR

VOC EMISSIONS -- COATER NO. 3 (P027)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)			Gals.	VOCs
D-959 (Coating)				
CV-L Clear Size				
CD-L 444 Lacq.				
CD-l 447 Lacq.				
XLS-223 UV In.				
XLB-365 Fl.Past				
UBD-777 Blue				
UBN-777 Blue				
CV-l 291 Strip				
1057 White Coat				
6585-D Black				
4615 Ch.Yellow				
88202-9221 Oran				
86202-4113 Brow				
3163 Red Vinyl				
8440-D Varnish				
No. 20 Hardener				
9360 Flow.Agent				
Brass Concen.				
7474 Black Con.				
5392 Yellow Con				
5410 Red Concen				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions per Hour
03/02				ERR
03/03				ERR
03/04				ERR
03/05				ERR
03/06				ERR
03/09				ERR
03/10				ERR
03/11				ERR
03/12				ERR
03/13				
03/16				ERR
03/17				ERR
03/18				ERR
03/19				ERR
03/20				ERR
03/23				ERR
03/24				ERR
03/25				ERR
03/26				ERR
03/27				ERR
03/30				ERR
03/31				ERR
04/01				ERR
04/02				ERR
04/03				ERR

VOC EMISSIONS -- COATER NO. 1 (P025)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup) +	61.00	137.25	Gals. 261.82	VOCs *******
D-959 (Coating) +	37.50			
CV-L Clear Size +	39.50	269.39		
CD-L 444 Lacq. +				
CD-l 447 Lacq. +	54.00	327.78		
XLS-223 UV In. +	5.25	36.23		
XLB-365 Fl.Past +	1.05	6.08		
UBD-777 Blue +				
UBN-777 Blue +				
CV-l 291 Strip +	37.00	132.83		
1057 White Coat +	9.00	54.09		
6585-D Black +	11.50	73.26		
4615 Ch.Yellow +	6.00	37.62		
88202-9221 Oran +				
86202-4113 Brow +				
3163 Red Vinyl +				
8440-D Varnish +				
No. 20 Hardener +				
9360 Flow.Agent +				
Brass Concen. +				
7474 Black Con. +				
5392 Yellow Con +	0.02	0.11		
5410 Red Concen +				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions per Hour
03/30				ERR
03/31				ERR
04/01	5.00	0.75	2.00	2.81
04/02	8.55	3.00	3.00	3.67
04/03	13.00	2.25	3.00	4.15
04/06	9.25	1.50		4.13
04/07	11.00	1.00	4.00	4.94
04/08	10.00	2.00		4.35
04/09	10.00	0.75		4.12
04/10	1.02	0.02	6.00	0.85
04/13	5.00	0.75		2.81
04/14	4.00	1.50	6.00	
04/15	4.75	1.00		5.33
04/16	5.00			2.24
04/17			2.00	ERR
04/20	4.00	1.25		2.28
04/21	11.00	1.00	5.00	4.32
04/22	12.25	0.75	3.00	4.65
04/23	9.25	2.25	2.00	3.99
04/24	3.25		2.00	3.02
04/27	10.50	1.25	4.00	4.03
04/28	3.00	1.00	2.00	0.56
04/29	14.00	0.75	5.00	6.18
04/30	7.50	2.25	3.00	3.29
05/01				ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup) +	33.00	74.25	Gals. 122.79	VOCs 506.52
D-959 (Coating) +	20.00			
CV-L Clear Size +	21.50	146.63		
CD-L 444 Lacq. +				
CD-l 447 Lacq. +	39.00	236.73		
XLS-223 UV In. +	1.00	6.90		
XLB-365 Fl.Past +	0.25	1.44		
UBD-777 Blue +				
UBN-777 Blue +				
CV-l 291 Strip +	4.00	14.36		
1057 White Coat +				
6585-D Black +	3.50	22.30		
4615 Ch.Yellow +				
88202-9221 Oran +				
86202-4113 Brow +				
3163 Red Vinyl +				
8440-D Varnish +				
No. 20 Hardener +				
9360 Flow.Agent +				
Brass Concen. +				
7474 Black Con. +	0.09	0.60		
5392 Yellow Con +	0.28	2.06		
5410 Red Concen +	0.17	1.24		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions per Hour
03/30				ERR
03/31				ERR
04/01	6.60	3.50	6.00	3.44
04/02				ERR
04/03	2.09		2.00	2.35
04/06				ERR
04/07	2.50			3.40
04/08				ERR
04/09	4.25	2.50	2.00	3.25
04/10	9.50	2.00		3.72
04/13	10.50	3.00		4.51
04/14	3.27	2.00	3.00	2.80
04/15	4.03	1.50	3.00	4.09
04/16	6.00			4.16
04/17			3.00	ERR
04/20				ERR
04/21	2.00	2.75		1.71
04/22	2.05	0.75	6.00	3.44
04/23				ERR
04/24				ERR
04/27				ERR
04/28	11.00	2.75	3.00	4.69
04/29	6.00	0.75		4.83
04/30				ERR
05/01				ERR

VOC EMISSIONS -- COATER NO. 3 (P027)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup) +	5.00	11.25	Gals. 9.50	VOCs 25.61
D-959 (Coating) +	0.50			
CV-L Clear Size +				
CD-L 444 Lacq. +				
CD-l 447 Lacq. +				
XLS-223 UV In. +				
XLB-365 Fl.Past +				
UBD-777 Blue +				
UBN-777 Blue +				
CV-l 291 Strip +	4.00	14.36		
1057 White Coat +				
6585-D Black +				
4615 Ch.Yellow +				
88202-9221 Oran +				
86202-4113 Brow +				
3163 Red Vinyl +				
8440-D Varnish +				
No. 20 Hardener +				
9360 Flow.Agent +				
Brass Concen. +				
7474 Black Con. +				
5392 Yellow Con +				
5410 Red Concen +				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions per Hour
03/30				ERR
03/31				ERR
04/01				ERR
04/02				ERR
04/03				ERR
04/06				ERR
04/07				ERR
04/08				ERR
04/09				ERR
04/10				ERR
04/13				ERR
04/14				ERR
04/15				ERR
04/16				ERR
04/17				ERR
04/20				ERR
04/21				ERR
04/22		0.50		ERR
04/23				ERR
04/24				ERR
04/27				ERR
04/28				ERR
04/29	4.00	0.50	5.00	3.20
04/30				ERR
05/01				ERR

VOC EMISSIONS -- COATER NO. 1 (P025)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	67.00	150.75	Gals. 239.07	VOCs 931.33
D-959 (Coating)	+	33.75	0.00		
CV-L Clear Size	+	30.00	204.60		
CD-L 444 Lacq.	+	0.00	0.00		
CD-I 447 Lacq.	+	39.50	239.77		
XLS-223 UV In.	+	0.53	3.66		
XLB-365 Fl.Paste	+	0.00	0.00		
UBD-777 Blue	+	0.00	0.00		
UBN-777 Blue	+	0.00	0.00		
CV-I 291 Strip	+	37.00	132.83		
1057 White Coat	+	7.50	45.08		
6585-D Black	+	12.19	77.63		
4615 Ch.Yellow	+	5.30	33.21		
88202-9221 Oran	+	0.08	0.49		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	6.00	41.64		
8440-D Varnish	+	0.00	0.00		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.00	0.00		
Brass Concen.	+	0.16	1.18		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.05	0.39		
5410 Red Conce	+	0.02	0.11		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
04/27	0.00	0.00	0.00	ERR
04/28	0.00	0.00	0.00	ERR
04/29	0.00	0.00	0.00	ERR
04/30	0.00	0.00	0.00	ERR
05/01	12.28	2.00	3.00	4.48
05/04	11.00	1.00	3.00	3.50
05/05	4.00	0.00	0.00	3.04
05/06	10.00	0.00	3.00	4.23
05/07	10.00	0.75	3.00	3.02
05/08	7.25	1.25	3.00	3.09
05/11	7.00	1.50	5.00	3.73
05/12	10.00	2.00	6.00	4.68
05/13	3.00	0.00	6.00	4.01
05/14	9.30	1.75	4.00	4.63
05/15	4.27	0.75	6.00	2.29
05/18	3.52	0.00	3.00	3.89
05/19	11.00	0.75	3.00	3.82
05/20	7.00	3.50	2.00	3.08
05/21	6.00	0.00	4.00	3.82
05/22	0.00	0.50	0.00	ERR
05/25	0.00	0.00	0.00	ERR
05/26	7.11	0.75	3.00	2.65
05/27	5.50	3.50	4.00	2.74
05/28	0.00	0.00	0.00	ERR
05/29	5.00	0.50	4.00	3.37

VOC EMISSIONS – COATER NO. 2 (P026)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	16.75	37.69	Gals. 87.59	VOCs 264.17
D-959 (Coating)	+	32.25	0.00		
CV-L Clear Size	+	9.75	66.50		
CD-L 444 Lacq.	+	12.25	70.68		
CD-I 447 Lacq.	+	4.54	27.55		
XLS-223 UV In.	+	0.00	0.00		
XLB-365 Fl.Paste	+	5.00	28.85		
UBD-777 Blue	+	0.05	0.28		
UBN-777 Blue	+	7.00	32.62		
CV-I 291 Strip	+	0.00	0.00		
1057 White Coat	+	0.00	0.00		
6585-D Black	+	0.00	0.00		
4615 Ch.Yellow	+	0.00	0.00		
88202-9221 Oran	+	0.00	0.00		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	0.00	0.00		
8440-D Varnish	+	0.00	0.00		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.00	0.00		
Brass Concen.	+	0.00	0.00		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.00	0.00		
5410 Red Conce	+	0.00	0.00		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
04/27	0.00	0.00	0.00	ERR
04/28	0.00	0.00	0.00	ERR
04/29	0.00	0.00	0.00	ERR
04/30	0.00	0.00	0.00	ERR
05/01	4.50	1.50	2.00	3.12
05/04	0.00	0.00	0.00	ERR
05/05	7.00	2.50	3.00	3.50
05/06	5.00	2.50	3.00	2.13
05/07	0.00	0.00	0.00	ERR
05/08	0.00	0.00	0.00	ERR
05/11	0.00	0.00	0.00	ERR
05/12	0.00	0.00	3.00	ERR
05/13	13.30	1.25	0.00	4.89
05/14	2.25	3.00	3.00	0.56
05/15	8.25	1.50	0.00	3.71
05/18	0.00	0.00	0.00	ERR
05/19	0.00	2.50	0.00	ERR
05/20	0.00	0.50	0.00	ERR
05/21	0.00	4.50	0.00	ERR
05/22	3.00	0.00	4.00	3.68
05/25	0.00	0.00	0.00	ERR
05/26	8.00	2.50	3.00	3.46
05/27	5.04	0.50	4.00	3.39
05/28	12.50	4.50	3.00	5.36
05/29	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 3 (P027)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	0.00	0.00	Gals. 0.00	VOCs 0.00
D-959 (Coating)	+	0.00	0.00		
CV-L Clear Size	+	0.00	0.00		
CD-L 444 Lacq.	+	0.00	0.00		
CD-I 447 Lacq.	+	0.00	0.00		
XLS-223 UV In.	+	0.00	0.00		
XLB-365 Fl.Paste	+	0.00	0.00		
UBD-777 Blue	+	0.00	0.00		
UBN-777 Blue	+	0.00	0.00		
CV-I 291 Strip	+	0.00	0.00		
1057 White Coat	+	0.00	0.00		
6585-D Black	+	0.00	0.00		
4615 Ch.Yellow	+	0.00	0.00		
88202-9221 Oran	+	0.00	0.00		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	0.00	0.00		
8440-D Varnish	+	0.00	0.00		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.00	0.00		
Brass Concen.	+	0.00	0.00		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.00	0.00		
5410 Red Conce	+	0.00	0.00		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
04/27	0.00	0.00	0.00	ERR
04/28	0.00	0.00	0.00	ERR
04/29	0.00	0.00	0.00	ERR
04/30	0.00	0.00	0.00	ERR
05/01	0.00	0.00	0.00	ERR
05/04	0.00	0.00	0.00	ERR
05/05	0.00	0.00	0.00	ERR
05/06	0.00	0.00	0.00	ERR
05/07	0.00	0.00	0.00	ERR
05/08	0.00	0.00	0.00	ERR
05/11	0.00	0.00	0.00	ERR
05/12	0.00	0.00	0.00	ERR
05/13	0.00	0.00	0.00	ERR
05/14	0.00	0.00	0.00	ERR
05/15	0.00	0.00	0.00	ERR
05/18	0.00	0.00	0.00	ERR
05/19	0.00	0.00	0.00	ERR
05/20	0.00	0.00	0.00	ERR
05/21	0.00	0.00	0.00	ERR
05/22	0.00	0.00	0.00	ERR
05/25	0.00	0.00	0.00	ERR
05/26	0.00	0.00	0.00	ERR
05/27	0.00	0.00	0.00	ERR
05/28	0.00	0.00	0.00	ERR
05/29	0.00	0.00	0.00	ERR

VOC EMISSIONS --- COATER DEPARTMENT

VOC EMISSIONS -- COATER NO. 1 (P025)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	29.00	65.25	Gals. 123.38	VOCs 561.46
D-959 (Coating)	+	14.25	0.00		
CV-L Clear Size	+	12.50	85.25		
CD-L 444 Lacq.	+	13.00	75.01		
CD-I 447 Lacq.	+	23.50	142.65		
XLS-223 UV In.	+	11.46	79.07		
XLB-365 Fl.Paste	+	6.00	34.62		
UBD-777 Blue	+	5.50	28.44		
UBN-777 Blue	+	0.00	0.00		
CV-I 291 Strip	+	0.00	0.00		
1057 White Coat	+	3.00	18.03		
6585-D Black	+	1.00	6.37		
4615 Ch.Yellow	+	3.00	18.81		
88202-9221 Oran	+	0.00	0.00		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	1.00	6.94		
8440-D Varnish	+	0.09	0.58		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.03	0.12		
Brass Concen.	+	0.05	0.33		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.00	0.00		
5410 Red Conce	+	0.00	0.00		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
06/01	9.00	5.00	0.00	3.46
06/02	9.00	1.00	0.00	1.71
06/03	7.13	5.00	5.00	3.89
06/04	7.88	4.00	2.00	3.55
06/05	13.00	6.00	2.00	5.58
06/08	5.25	0.00	0.00	4.85
06/09	3.00	0.00	2.25	2.28
06/10	5.30	2.00	0.50	3.30
06/11	0.00	0.00	0.00	ERR
06/12	0.00	0.00	0.00	ERR
06/15	11.50	0.00	0.00	2.50
06/16	0.00	0.00	0.00	ERR
06/17	0.00	0.00	0.00	ERR
06/18	0.00	0.00	0.00	ERR
06/19	13.00	0.00	0.00	2.24
06/22	8.00	0.00	3.00	3.12
06/23	0.00	0.00	0.00	ERR
06/24	14.16	0.00	0.00	3.91
06/25	16.00	0.00	1.00	1.84
06/26	8.17	0.00	2.00	2.42
06/29	0.00	0.00	0.00	ERR
06/30	27.00	0.00	0.00	2.89
07/01	0.00	0.00	0.00	ERR
07/02	0.00	0.00	0.00	ERR
07/03	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	33.00	74.25	Gals. 125.49	VOCs 481.76
D-959 (Coating)	+	16.00	0.00		
CV-L Clear Size	+	19.77	134.85		
CD-L 444 Lacq.	+	9.25	53.37		
CD-I 447 Lacq.	+	4.00	24.28		
XLS-223 UV In.	+	0.00	0.00		
XLB-365 Fl.Paste	+	0.13	0.72		
UBD-777 Blue	+	10.00	51.70		
UBN-777 Blue	+	21.00	97.86		
CV-I 291 Strip	+	12.00	43.08		
1057 White Coat	+	0.00	0.00		
6585-D Black	+	0.00	0.00		
4615 Ch.Yellow	+	0.00	0.00		
88202-9221 Oran	+	0.00	0.00		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	0.00	0.00		
8440-D Varnish	+	0.08	0.48		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.22	0.83		
Brass Concen.	+	0.05	0.33		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.00	0.00		
5410 Red Conce	+	0.00	0.00		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
06/01	0.00	0.00	0.00	ERR
06/02	4.13	1.50	2.00	3.69
06/03	6.00	0.75	4.00	3.82
06/04	0.00	0.00	0.00	ERR
06/05	0.00	0.00	0.00	ERR
06/08	6.00	0.00	1.25	4.55
06/09	12.00	0.00	2.50	3.11
06/10	3.00	0.00	1.50	3.12
06/11	8.00	2.00	2.50	3.63
06/12	4.00	0.50	3.25	4.16
06/15	0.50	2.00	1.00	2.65
06/16	18.00	0.00	5.00	3.58
06/17	0.00	1.00	2.50	2.93
06/18	15.00	0.00	1.00	2.94
06/19	20.00	0.00	1.50	4.73
06/22	8.25	5.00	0.00	3.05
06/23	17.09	0.00	2.00	4.86
06/24	8.00	0.00	0.00	2.84
06/25	0.00	0.00	0.00	ERR
06/26	8.00	0.00	0.00	3.79
06/29	16.27	5.00	2.50	3.38
06/30	0.00	0.00	0.00	ERR
07/01	0.00	0.00	0.00	ERR
07/02	0.00	0.00	0.00	ERR
07/03	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 3 (P027)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	+	0.00	0.00	Gals.	0.00	VOCs	0.00
D-959 (Coating)	+	0.00	0.00				
CV-L Clear Size	+	0.00	0.00				
CD-L 444 Lacq.	+	0.00	0.00				
CD-I 447 Lacq.	+	0.00	0.00				
XLS-223 UV In.	+	0.00	0.00				
XLB-365 Fl.Paste	+	0.00	0.00				
UBD-777 Blue	+	0.00	0.00				
UBN-777 Blue	+	0.00	0.00				
CV-I 291 Strip	+	0.00	0.00				
1057 White Coat	+	0.00	0.00				
6585-D Black	+	0.00	0.00				
4615 Ch.Yellow	+	0.00	0.00				
88202-9221 Oran	+	0.00	0.00				
86202-4113 Brow	+	0.00	0.00				
3163 Red Vinyl	+	0.00	0.00				
8440-D Varnish	+	0.00	0.00				
No. 20 Hardener	+	0.00	0.00				
9360 Flow.Agent	+	0.00	0.00				
Brass Concen.	+	0.00	0.00				
7474 Black Con.	+	0.00	0.00				
5392 Yellow Con	+	0.00	0.00				
5410 Red Conce	+	0.00	0.00				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
06/01	0.00	0.00	0.00	ERR
06/02	0.00	0.00	0.00	ERR
06/03	0.00	0.00	0.00	ERR
06/04	0.00	0.00	0.00	ERR
06/05	0.00	0.00	0.00	ERR
06/08	0.00	0.00	0.00	ERR
06/09	0.00	0.00	0.00	ERR
06/10	0.00	0.00	0.00	ERR
06/11	0.00	0.00	0.00	ERR
06/12	0.00	0.00	0.00	ERR
06/15	0.00	0.00	0.00	ERR
06/16	0.00	0.00	0.00	ERR
06/17	0.00	0.00	0.00	ERR
06/18	0.00	0.00	0.00	ERR
06/19	0.00	0.00	0.00	ERR
06/22	0.00	0.00	0.00	ERR
06/23	0.00	0.00	0.00	ERR
06/24	0.00	0.00	0.00	ERR
06/25	0.00	0.00	0.00	ERR
06/26	0.00	0.00	0.00	ERR
06/29	0.00	0.00	0.00	ERR
06/30	0.00	0.00	0.00	ERR
07/01	0.00	0.00	0.00	ERR
07/02	0.00	0.00	0.00	ERR
07/03	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 1 (P025)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	43.00	96.75	Gals.	203.47	VOCs	839.09
D-959 (Coating)	25.25	0.00				
CV-L Clear Size	46.00	313.72				
CD-L 444 Lacq.	0.00	0.00				
CD-I 447 Lacq.	19.50	118.37				
XLS-223 UV In.	0.25	1.73				
XLB-365 Fl.Paste	0.28	1.62				
UBD-777 Blue	0.00	0.00				
UBN-777 Blue	0.00	0.00				
CV-I 291 Strip	47.00	168.73				
1057 White Coat	7.00	42.07				
6585-D Black	7.00	44.59				
4615 Ch.Yellow	8.00	50.16				
88202-9221 Orange	0.00	0.00				
86202-4113 Brown	0.00	0.00				
3163 Red Vinyl	0.00	0.00				
8440-D Varnish	0.00	0.00				
No. 20 Hardener	0.00	0.00				
9360 Flow.Agent	0.00	0.00				
Brass Concen.	0.13	0.91				
7474 Black Con.	0.00	0.00				
5392 Yellow Con	0.00	0.00				
5410 Red Concent.	0.06	0.46				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions / Hr
06/29	0.00	0.00	0.00	ERR
06/30	0.00	0.00	0.00	ERR
07/01	3.00	1.50	0.00	2.56
07/02	2.69	0.00	0.00	2.30
07/03	0.00	0.00	0.00	ERR
07/06	0.00	0.00	0.00	ERR
07/07	11.25	1.00	5.00	3.33
07/08	14.00	2.00	5.00	4.15
07/09	0.00	0.00	0.00	ERR
07/10	12.00	1.75	3.00	4.60
07/13	10.03	1.25	0.00	3.03
07/14	0.00	0.00	0.00	ERR
07/15	10.75	1.50	5.00	3.66
07/16	3.00	0.00	0.00	2.56
07/17	10.00	2.75	7.00	4.07
07/20	0.00	0.00	0.00	ERR
07/21	11.00	3.50	4.00	3.48
07/22	0.00	0.00	0.00	ERR
07/23	7.50	2.50	0.00	3.20
07/24	11.00	1.50	3.00	2.47
07/27	6.00	2.50	0.00	2.56
07/28	12.00	2.50	7.00	4.67
07/29	0.00	0.00	0.00	ERR
07/30	0.00	1.00	4.00	3.48
07/31	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	27.00	60.75	Gals.	172.96	VOCs	718.96
D-959 (Coating)	41.75	0.00				
CV-L Clear Size	28.50	194.37				
CD-L 444 Lacq.	4.00	23.08				
CD-I 447 Lacq.	61.25	371.79				
XLS-223 UV In.	6.50	44.85				
XLB-365 Fl.Paste	1.34	7.73				
UBD-777 Blue	0.13	0.65				
UBN-777 Blue	0.00	0.00				
CV-I 291 Strip	0.00	0.00				
1057 White Coat	0.50	3.01				
6585-D Black	2.00	12.74				
4615 Ch.Yellow	0.00	0.00				
88202-9221 Orange	0.00	0.00				
86202-4113 Brown	0.00	0.00				
3163 Red Vinyl	0.00	0.00				
8440-D Varnish	0.00	0.00				
No. 20 Hardener	0.00	0.00				
9360 Flow.Agent	0.00	0.00				
Brass Concen.	0.00	0.00				
7474 Black Con.	0.00	0.00				
5392 Yellow Con	0.00	0.00				
5410 Red Concent.	0.00	0.00				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions / Hr
06/29	0.00	0.00	0.00	ERR
06/30	0.00	0.00	0.00	ERR
07/01	10.00	3.00	0.00	3.79
07/02	7.50	3.50	7.00	2.98
07/03	0.00	0.00	0.00	ERR
07/06	13.38	4.50	3.00	5.50
07/07	0.00	0.00	0.00	ERR
07/08	0.00	0.00	0.00	ERR
07/09	9.50	5.25	0.00	3.68
07/10	8.00	3.00	3.00	3.41
07/13	2.00	0.00	4.00	1.71
07/14	9.25	5.50	5.00	3.74
07/15	0.00	0.00	0.00	ERR
07/16	4.25	3.00	0.00	3.25
07/17	ERR	0.00	0.00	ERR
07/20	11.03	4.00	3.00	4.32
07/21	0.00	0.00	0.00	ERR
07/22	9.00	2.75	0.00	3.41
07/23	0.00	0.00	0.00	ERR
07/24	0.00	0.00	0.00	ERR
07/27	3.25	2.00	0.00	2.49
07/28	0.00	0.00	0.00	ERR
07/29	8.31	3.25	0.00	3.16
07/30	0.00	0.00	0.00	ERR
07/31	8.75	2.00	2.00	3.40

VOC EMISSIONS – COATER NO. 3 (P027)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	0.00	0.00	Gals.	0.00	VOCs	0.00
D-959 (Coating)	0.00	0.00				
CV-L Clear Size	0.00	0.00				
CD-L 444 Lacq.	0.00	0.00				
CD-I 447 Lacq.	0.00	0.00				
XLS-223 UV In.	0.00	0.00				
XLB-365 Fl.Paste	0.00	0.00				
UBD-777 Blue	0.00	0.00				
UBN-777 Blue	0.00	0.00				
CV-I 291 Strip	0.00	0.00				
1057 White Coat	0.00	0.00				
6585-D Black	0.00	0.00				
4615 Ch.Yellow	0.00	0.00				
88202-9221 Orange	0.00	0.00				
86202-4113 Brown	0.00	0.00				
3163 Red Vinyl	0.00	0.00				
8440-D Varnish	0.00	0.00				
No. 20 Hardener	0.00	0.00				
9360 Flow.Agent	0.00	0.00				
Brass Concen.	0.00	0.00				
7474 Black Con.	0.00	0.00				
5392 Yellow Con	0.00	0.00				
5410 Red Concent.	0.00	0.00				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions / Hr
06/29	0.00	0.00	0.00	ERR
06/30	0.00	0.00	0.00	ERR
07/01	0.00	0.00	0.00	ERR
07/02	0.00	0.00	0.00	ERR
07/03	0.00	0.00	0.00	ERR
07/06	0.00	0.00	0.00	ERR
07/07	0.00	0.00	0.00	ERR
07/08	0.00	0.00	0.00	ERR
07/09	0.00	0.00	0.00	ERR
07/10	0.00	0.00	0.00	ERR
07/13	0.00	0.00	0.00	ERR
07/14	0.00	0.00	0.00	ERR
07/15	0.00	0.00	0.00	ERR
07/16	0.00	0.00	0.00	ERR
07/17	0.00	0.00	0.00	ERR
07/20	0.00	0.00	0.00	ERR
07/21	0.00	0.00	0.00	ERR
07/22	0.00	0.00	0.00	ERR
07/23	0.00	0.00	0.00	ERR
07/24	0.00	0.00	0.00	ERR
07/27	0.00	0.00	0.00	ERR
07/28	0.00	0.00	0.00	ERR
07/29	0.00	0.00	0.00	ERR
07/30	0.00	0.00	0.00	ERR
07/31	0.00	0.00	0.00	ERR

VOC EMISSIONS – COATER NO. 1 (P025)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	71.25	160.31	Gals. 247.10	VOCs 972.98
D-959 (Coating)	+	25.24	0.00		
CV-L Clear Size	+	65.00	443.30		
CD-L 444 Lacq.	+	0.00	0.00		
CD-I 447 Lacq.	+	2.00	12.14		
XLS-223 UV In.	+	0.00	0.00		
XLB-365 Fl.Paste	+	0.00	0.00		
UBD-777 Blue	+	0.00	0.00		
UBN-777 Blue	+	0.00	0.00		
CV-I 291 Strip	+	62.00	222.58		
1057 White Coat	+	8.00	48.08		
6585-D Black	+	6.00	38.22		
4615 Ch.Yellow	+	7.00	43.89		
88202-9221 Oran	+	0.00	0.00		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	0.00	0.00		
8440-D Varnish	+	0.00	0.00		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.00	0.00		
Brass Concen.	+	0.20	1.46		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.28	2.03		
5410 Red Conce	+	0.13	0.96		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
08/03	0.00	0.00	0.00	ERR
08/04	10.00	3.00	0.25	2.70
08/05	3.00	0.75	0.00	2.56
08/06	9.00	1.00	4.00	6.38
08/07	9.13	3.00	2.00	4.11
08/10	14.00	0.00	1.00	11.26
08/11	12.00	0.00	0.00	3.26
08/12	5.00	3.00	1.00	3.83
08/13	0.00	0.00	0.00	ERR
08/14	4.00	3.00	1.00	ERR
08/17	13.00	0.00	2.50	3.37
08/18	10.36	5.00	2.00	3.76
08/19	21.00	0.00	5.25	3.34
08/20	8.12	4.00	3.00	4.31
08/21	8.00	0.00	0.00	3.12
08/24	0.00	0.00	0.00	ERR
08/25	24.00	0.00	3.00	4.63
08/26	24.00	0.00	0.00	5.32
08/27	19.00	0.00	3.00	4.28
08/28	19.00	0.00	3.00	2.37
08/31	9.00	0.00	0.00	4.19
09/01	0.00	0.00	0.00	ERR
09/02	0.00	0.00	0.00	ERR
09/03	0.00	0.00	0.00	ERR
09/04	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	42.00	94.50	Gals. 222.80	VOCs 975.80
D-959 (Coating)	+	36.75	0.00		
CV-L Clear Size	+	10.00	68.20		
CD-L 444 Lacq.	+	0.00	0.00		
CD-I 447 Lacq.	+	100.00	607.00		
XLS-223 UV In.	+	7.00	48.30		
XLB-365 Fl.Paste	+	1.50	8.66		
UBD-777 Blue	+	0.00	0.00		
UBN-777 Blue	+	0.00	0.00		
CV-I 291 Strip	+	4.00	14.36		
1057 White Coat	+	6.00	36.06		
6585-D Black	+	4.00	25.48		
4615 Ch.Yellow	+	10.50	65.84		
88202-9221 Oran	+	0.00	0.00		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	0.75	5.21		
8440-D Varnish	+	0.00	0.00		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.00	0.00		
Brass Concen.	+	0.25	1.81		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.00	0.00		
5410 Red Conce	+	0.05	0.39		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
08/03	7.05	3.00	2.00	3.30
08/04	8.75	0.00	2.00	3.42
08/05	9.00	4.00	0.00	7.63
08/06	10.75	2.00	2.00	4.31
08/07	5.00	2.50	2.00	4.36
08/10	5.13	0.00	2.00	4.45
08/11	10.13	0.00	1.00	4.26
08/12	0.00	0.00	0.00	ERR
08/13	8.25	0.00	1.50	2.94
08/14	5.50	0.00	3.00	4.72
08/17	18.25	3.00	0.00	5.60
08/18	0.00	0.00	1.00	ERR
08/19	29.00	0.00	0.00	6.59
08/20	16.00	0.00	0.75	3.46
08/21	18.50	0.00	3.50	4.25
08/24	16.00	4.00	0.00	4.23
08/25	0.00	0.00	0.00	ERR
08/26	0.00	0.00	0.00	ERR
08/27	10.00	0.00	0.00	1.52
08/28	21.50	0.00	0.00	3.63
08/31	16.50	4.00	4.00	3.65
09/01	0.00	0.00	0.00	ERR
09/02	0.00	0.00	0.00	ERR
09/03	0.00	0.00	0.00	ERR
09/04	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 3 (P027)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	0.00	0.00	Gals. 0.00	VOCs 0.00
D-959 (Coating)	+	0.00	0.00		
CV-L Clear Size	+	0.00	0.00		
CD-L 444 Lacq.	+	0.00	0.00		
CD-I 447 Lacq.	+	0.00	0.00		
XLS-223 UV In.	+	0.00	0.00		
XLB-365 Fl.Paste	+	0.00	0.00		
UBD-777 Blue	+	0.00	0.00		
UBN-777 Blue	+	0.00	0.00		
CV-I 291 Strip	+	0.00	0.00		
1057 White Coat	+	0.00	0.00		
6585-D Black	+	0.00	0.00		
4615 Ch.Yellow	+	0.00	0.00		
88202-9221 Oran	+	0.00	0.00		
86202-4113 Brow	+	0.00	0.00		
3163 Red Vinyl	+	0.00	0.00		
8440-D Varnish	+	0.00	0.00		
No. 20 Hardener	+	0.00	0.00		
9360 Flow.Agent	+	0.00	0.00		
Brass Concen.	+	0.00	0.00		
7474 Black Con.	+	0.00	0.00		
5392 Yellow Con	+	0.00	0.00		
5410 Red Conce	+	0.00	0.00		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
08/03	0.00	0.00	0.00	ERR
08/04	0.00	0.00	0.00	ERR
08/05	0.00	0.00	0.00	ERR
08/06	0.00	0.00	0.00	ERR
08/07	0.00	0.00	0.00	ERR
08/10	0.00	0.00	0.00	ERR
08/11	0.00	0.00	0.00	ERR
08/12	0.00	0.00	0.00	ERR
08/13	0.00	0.00	0.00	ERR
08/14	0.00	0.00	0.00	ERR
08/17	0.00	0.00	0.00	ERR
08/18	0.00	0.00	0.00	ERR
08/19	0.00	0.00	0.00	ERR
08/20	0.00	0.00	0.00	ERR
08/21	0.00	0.00	0.00	ERR
08/24	0.00	0.00	0.00	ERR
08/25	0.00	0.00	0.00	ERR
08/26	0.00	0.00	0.00	ERR
08/27	0.00	0.00	0.00	ERR
08/28	0.00	0.00	0.00	ERR
08/31	0.00	0.00	0.00	ERR
09/01	0.00	0.00	0.00	ERR
09/02	0.00	0.00	0.00	ERR
09/03	0.00	0.00	0.00	ERR
09/04	0.00	0.00	0.00	ERR

VOC EMISSIONS -- COATER NO. 1 (P025)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	57.75	129.94	Gals. 234.67	VOCs 935.67
D-959 (Coating)	+	29.38			
CV-L Clear Size	+	46.00	313.72		
CD-L 444 Lacq.	+				
CD-I 447 Lacq.	+	18.00	109.26		
XLS-223 UV In.	+	0.50	3.45		
XLB-365 Fl.Paste	+	0.50	2.89		
UBD-777 Blue	+				
UBN-777 Blue	+				
CV-I 291 Strip	+	52.00	186.68		
1057 White Coat	+	12.00	72.12		
6585-D Black	+	8.00	50.96		
4615 Ch.Yellow	+	10.00	62.70		
88202-9221 Oran	+				
86202-4113 Brow	+				
3163 Red Vinyl	+				
8440-D Varnish	+				
No. 20 Hardener	+				
9360 Flow.Agent	+				
Brass Concen.	+	0.11	0.79		
7474 Black Con.	+				
5392 Yellow Con	+	0.21	1.52		
5410 Red Conce	+	0.23	1.65		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
08/31				ERR
09/01				ERR
09/02	13.00	4.50		5.10
09/03	4.00	1.00	2.00	3.57
09/04	8.50	4.00		3.83
09/07				ERR
09/08	16.00		0.25	4.82
09/09	4.37	2.16	0.09	3.15
09/10	7.00		1.00	3.75
09/11	7.00	3.00	1.00	4.02
09/14	12.50		1.50	3.43
09/15	4.25		3.00	3.25
09/16	8.00		1.50	2.56
09/17	14.00		1.00	2.98
09/18	21.25			4.77
09/21	16.00		5.00	2.34
09/22	16.00			4.72
09/23	16.00			6.57
09/24	8.18			1.87
09/25	29.00			3.37
09/28				ERR
09/29	17.00			3.63
09/30	23.00			7.48
10/01				ERR
10/02				ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	40.50	91.13	Gals. 215.80	VOCs 878.91
D-959 (Coating)	+	38.75			
CV-L Clear Size	+	20.50	139.81		
CD-L 444 Lacq.	+	4.00	23.08		
CD-I 447 Lacq.	+	74.00	449.18		
XLS-223 UV In.	+	0.75	5.18		
XLB-365 Fl.Paste	+	1.05	6.08		
UBD-777 Blue	+				
UBN-777 Blue	+	0.05	0.25		
CV-I 291 Strip	+	23.00	82.57		
1057 White Coat	+	6.00	36.06		
6585-D Black	+	5.06	32.25		
4615 Ch.Yellow	+	2.11	13.22		
88202-9221 Oran	+				
86202-4113 Brow	+				
3163 Red Vinyl	+	0.02	0.11		
8440-D Varnish	+				
No. 20 Hardener	+				
9360 Flow.Agent	+				
Brass Concen.	+				
7474 Black Con.	+				
5392 Yellow Con	+				
5410 Red Conce	+				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
08/31				ERR
09/01	13.05	4.00	2.00	3.72
09/02	7.75	1.00		2.98
09/03	7.75	1.00		2.66
09/04	5.00	1.25	2.00	4.36
09/07				ERR
09/08				ERR
09/09	5.00		2.25	4.36
09/10	9.00		2.00	3.84
09/11	5.50		1.25	4.72
09/14	4.25		3.00	4.09
09/15	18.00			3.44
09/16	8.00		7.50	3.32
09/17	8.00	2.00		2.48
09/18			1.50	ERR
09/21		3.00		ERR
09/22	21.00	5.00		3.84
09/23	20.25		4.00	5.21
09/24	20.00			3.22
09/25	27.19			5.02
09/28	21.00	3.00		3.30
09/29	16.25	5.00	3.00	3.14
09/30				ERR
10/01				ERR
10/02				ERR

VOC EMISSIONS -- COATER NO. 3 (P027)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
=========	=	=== ==== ===	=== ===== ===	=== ===== ===	=== ===== ===
D-959 (Washup)	+			Gals.	VOCs
D-959 (Coating)	+				
CV-L Clear Size	+				
CD-L 444 Lacq.	+				
CD-I 447 Lacq.	+				
XLS-223 UV In.	+				
XLB-365 Fl.Paste	+				
UBD-777 Blue	+				
UBN-777 Blue	+				
CV-I 291 Strip	+				
1057 White Coat	+				
6585-D Black	+				
4615 Ch.Yellow	+				
88202-9221 Oran	+				
86202-4113 Brow	+				
3163 Red Vinyl	+				
8440-D Varnish	+				
No. 20 Hardener	+				
9360 Flow.Agent	+				
Brass Concen.	+				
7474 Black Con.	+				
5392 Yellow Con	+				
5410 Red Conce	+				
**********	**	****** ******* ****** *	****** ********* ****** *	****** ********* ****** *	****** ********* ******

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
========= =	=== ==== ===	=== ===== ===	=== ===== ===	=== ===== ===
08/31				ERR
09/01				ERR
09/02				ERR
09/03				ERR
09/04				ERR
09/07				ERR
09/08				ERR
09/09				ERR
09/10				ERR
09/11				ERR
09/14				ERR
09/15				ERR
09/16				ERR
09/17				ERR
09/18				ERR
09/21				ERR
09/22				ERR
09/23				ERR
09/24				ERR
09/25				ERR
09/28				ERR
09/29				ERR
09/30				ERR
10/01				ERR
10/02				ERR

VOC EMISSIONS – COATER NO. 1 (P025)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	68.00	153.00	Gals.	224.73	VOCs	822.59
D-959 (Coating)	24.00					
CV-L Clear Size	29.00	197.78				
CD-L 444 Lacq.						
CD-I 447 Lacq.	10.50	63.74				
XLS-223 UV In.						
XLB-365 Fl.Paste						
UBD-777 Blue						
UBN-777 Blue						
CV-I 291 Strip	66.00	236.94				
1057 White Coat	7.00	42.07				
6585-D Black	20.00	127.40				
4615 Ch.Yellow						
88202-9221 Orange						
86202-4113 Brown						
3163 Red Vinyl						
8440-D Varnish						
No. 20 Hardener						
9360 Flow.Agent						
Brass Concen.	0.16	1.16				
7474 Black Con.						
5392 Yellow Con						
5410 Red Concent.	0.07	0.51				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
09/28				ERR
09/29				ERR
09/30				ERR
10/01				ERR
10/02	7.50	0.50	4.00	3.34
10/05	4.00	2.00	2.50	5.12
10/06	6.00		0.50	3.82
10/07		3.00		3.40
10/08	9.00	1.00	1.00	7.82
10/09	3.00		2.50	3.12
10/12	15.00		0.50	4.27
10/13	17.50			3.22
10/14	11.00		2.00	1.90
10/15	19.00			4.02
10/16				ERR
10/19				ERR
10/20	27.00			3.17
10/21	8.23			2.77
10/22				ERR
10/23	8.00			2.56
10/26	29.00			3.34
10/27	23.00			3.33
10/28	14.00			ERR
10/29	27.00			4.94
10/30	21.00		1.00	3.20

VOC EMISSIONS -- COATER NO. 2 (P026)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	30.50	68.63	Gals.	224.80	VOCs	1006.13
D-959 (Coating)	44.25					
CV-L Clear Size	39.50	269.39				
CD-L 444 Lacq.						
CD-I 447 Lacq.	86.00	522.02				
XLS-223 UV In.	1.75	12.08				
XLB-365 Fl.Paste	2.75	15.87				
UBD-777 Blue						
UBN-777 Blue						
CV-I 291 Strip	3.00	10.77				
1057 White Coat	4.00	24.04				
6585-D Black	8.00	50.96				
4615 Ch.Yellow	4.00	25.08				
88202-9221 Orange						
86202-4113 Brown						
3163 Red Vinyl	1.00	6.94				
8440-D Varnish						
No. 20 Hardener						
9360 Flow.Agent						
Brass Concen.						
7474 Black Con.						
5392 Yellow Con	0.05	0.36				
5410 Red Concent.						

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
09/28				ERR
09/29				ERR
09/30				ERR
10/01	8.00	5.00	3.00	3.46
10/02	1.00	2.50	2.50	1.46
10/05	4.25			3.25
10/06	5.05	3.00	0.05	3.62
10/07	6.00			5.67
10/08	3.00	3.00	1.00	4.83
10/09	3.00		1.25	1.91
10/12	14.00		1.00	2.28
10/13	16.25		2.50	3.13
10/14	19.00		1.50	7.41
10/15	15.25		1.50	2.74
10/16	15.75		1.50	3.37
10/19	16.00	4.25	5.00	4.93
10/20	21.50			3.23
10/21	16.00	3.25	5.00	3.41
10/22	21.00			3.41
10/23	16.25		4.00	3.36
10/26	16.25	4.25	3.00	4.57
10/27	8.00			2.56
10/28	21.00	3.25	1.00	5.03
10/29	8.00			2.41
10/30	8.50		3.00	3.20

VOC EMISSIONS – COATER NO. 3 (P027)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)			Gals.	VOCs
D-959 (Coating)				
CV-L Clear Size				
CD-L 444 Lacq.				
CD-I 447 Lacq.				
XLS-223 UV In.				
XLB-365 Fl.Paste				
UBD-777 Blue				
UBN-777 Blue				
CV-I 291 Strip				
1057 White Coat				
6585-D Black				
4615 Ch.Yellow				
88202-9221 Orange				
86202-4113 Brown				
3163 Red Vinyl				
8440-D Varnish				
No. 20 Hardener				
9360 Flow.Agent				
Brass Concen.				
7474 Black Con.				
5392 Yellow Con				
5410 Red Concent.				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
09/28				ERR
09/29				ERR
09/30				ERR
10/01				ERR
10/02				ERR
10/05				ERR
10/06				ERR
10/07				ERR
10/08				ERR
10/09				ERR
10/12				ERR
10/13				ERR
10/14				ERR
10/15				ERR
10/16				ERR
10/19				ERR
10/20				ERR
10/21				ERR
10/22				ERR
10/23				ERR
10/26				ERR
10/27				ERR
10/28				ERR
10/29				ERR
10/30				ERR

VOC EMISSIONS -- COATER NO. 1 (P025)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	48.00	108.00	Gals. 192.92	VOCs 739.92
D-959 (Coating)	+	24.75			
CV-L Clear Size	+	50.50	344.41		
CD-L 444 Lacq.	+				
CD-I 447 Lacq.	+				
XLS-223 UV In.	+				
XLB-365 Fl.Paste	+				
UBD-777 Blue	+				
UBN-777 Blue	+	8.00	37.28		
CV-I 291 Strip	+	51.00	183.09		
1057 White Coat	+	2.00	12.02		
6585-D Black	+	1.00	6.37		
4615 Ch.Yellow	+	7.00	43.89		
88202-9221 Oran	+				
86202-4113 Brow	+				
3163 Red Vinyl	+				
8440-D Varnish	+				
No. 20 Hardener	+				
9360 Flow.Agent	+				
Brass Concen.	+	0.36	2.60		
7474 Black Con.	+				
5392 Yellow Con	+	0.20	1.46		
5410 Red Conce	+	0.11	0.80		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
11/02				ERR
11/03				ERR
11/04	7.20	3.00	3.00	2.77
11/05	12.00	1.00	3.00	2.89
11/06	8.00	0.75		2.98
11/09	1.00			1.31
11/10	7.00	5.00	1.00	2.27
11/11	13.00	3.00	1.00	6.96
11/12	5.00		1.00	3.09
11/13				
11/16	12.00	3.00	5.00	4.02
11/17	8.00		5.00	0.84
11/18	19.00		5.00	4.86
11/19	8.00	3.00	1.00	2.98
11/20	19.00		4.50	3.16
11/23	17.00		5.00	2.64
11/24	8.02		4.00	0.86
11/25	16.45			1.69
11/26				ERR
11/27				ERR
11/30				ERR
12/01				ERR
12/02				ERR
12/03				ERR
12/04				ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)	+	44.50	100.13	Gals. 224.82	VOCs 947.57
D-959 (Coating)	+	40.50			
CV-L Clear Size	+	31.00	211.42		
CD-L 444 Lacq.	+	11.50	66.36		
CD-I 447 Lacq.	+	74.50	452.22		
XLS-223 UV In.	+	1.00	6.90		
XLB-365 Fl.Paste	+	0.50	2.89		
UBD-777 Blue	+	0.18	0.93		
UBN-777 Blue	+				
CV-I 291 Strip	+	9.00	32.31		
1057 White Coat	+	7.00	42.07		
6585-D Black	+				
4615 Ch.Yellow	+	5.00	31.35		
88202-9221 Oran	+				
86202-4113 Brow	+				
3163 Red Vinyl	+				
8440-D Varnish	+				
No. 20 Hardener	+				
9360 Flow.Agent	+				
Brass Concen.	+	0.09	0.67		
7474 Black Con.	+	0.02	0.11		
5392 Yellow Con	+				
5410 Red Conce	+	0.03	0.23		

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
11/02	6.25	3.50	********	2.71
11/03	11.25	5.50	********	4.49
11/04	10.50	0.75	********	3.37
11/05	10.75		********	3.82
11/06	1.00	0.75	********	0.85
11/09	5.88	3.00	1.00	3.45
11/10	5.02		1.50	3.81
11/11	9.05		1.50	3.72
11/12	6.25	4.00	1.50	4.85
11/13	9.25		1.00	6.89
11/16	17.00			4.95
11/17	12.12	2.00	2.50	2.85
11/18	27.00		7.00	3.09
11/19	13.38		1.00	4.19
11/20	14.00		1.00	2.28
11/23	8.00		4.00	3.41
11/24	29.00			4.76
11/25	20.00			3.22
11/26				ERR
11/27				ERR
11/30				ERR
12/01				ERR
12/02				ERR
12/03				ERR
12/04				ERR

VOC EMISSIONS – COATER NO. 3 (P027)

		TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
=========	=	=== ==== ===	=== ===== ===	=== ===== ===	=== ===== ===
D-959 (Washup)	+			Gals.	VOCs
D-959 (Coating)	+				
CV-L Clear Size	+				
CD-L 444 Lacq.	+				
CD-I 447 Lacq.	+				
XLS-223 UV In.	+				
XLB-365 Fl.Paste	+				
UBD-777 Blue	+				
UBN-777 Blue	+				
CV-I 291 Strip	+				
1057 White Coat	+				
6585-D Black	+				
4615 Ch.Yellow	+				
88202-9221 Oran	+				
86202-4113 Brow	+				
3163 Red Vinyl	+				
8440-D Varnish	+				
No. 20 Hardener	+				
9360 Flow.Agent	+				
Brass Concen.	+				
7474 Black Con.	+				
5392 Yellow Con	+				
5410 Red Conce	+				
**********	**	****** ****** ****** *	****** ********* ****** *	****** ********* ****** *	****** ********* ******

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
========= =	=== ==== ===	=== ===== ===	=== ===== ===	=== ===== ===
11/02				ERR
11/03				ERR
11/04				ERR
11/05				ERR
11/06				ERR
11/09				ERR
11/10				ERR
11/11				ERR
11/12				ERR
11/13				ERR
11/16				ERR
11/17				ERR
11/18				ERR
11/19				ERR
11/20				ERR
11/23				ERR
11/24				ERR
11/25				ERR
11/26				ERR
11/27				ERR
11/30				ERR
12/01				ERR
12/02				ERR
12/03				ERR
12/04				ERR

VOC EMISSIONS – COATER NO. 1 (P025)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	64.00	144.00	Gals.	247.65	VOCs	897.02
D-959 (Coating)	33.88					
CV-L Clear Size	48.50	330.77				
CD-L 444 Lacq.						
CD-I 447 Lacq.	2.00	12.14				
XLS-223 UV In.						
XLB-365 Fl.Paste						
UBD-777 Blue						
UBN-777 Blue						
CV-I 291 Strip	79.00	283.61				
1057 White Coat	8.00	48.08				
6585-D Black	12.00	76.44				
4615 Ch.Yellow						
88202-9221 Orange						
86202-4113 Brown						
3163 Red Vinyl						
8440-D Varnish						
No. 20 Hardener						
9360 Flow.Agent						
Brass Concen.	0.11	0.79				
7474 Black Con.						
5392 Yellow Con	0.11	0.79				
5410 Red Concent.	0.06	0.40				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
11/30				ERR
12/01	9.00	0.50		1.57
12/02	7.00	4.50	1.00	2.11
12/03	7.88	2.00		2.98
12/04	7.50	4.00		2.30
12/07	6.50		1.00	4.93
12/08	11.00	3.00	1.00	2.89
12/09	2.00	4.00	2.00	3.54
12/10	3.00	5.00	0.75	3.51
12/11	12.00		2.00	3.11
12/14	22.00		0.50	5.84
12/15	8.00	5.00	1.00	0.28
12/16	20.00		1.00	3.26
12/17	14.00			2.05
12/18			1.00	ERR
12/21	16.00			3.84
12/22	16.27		4.00	0.55
12/23				ERR
12/24				ERR
12/25				ERR
12/28	21.00			4.35
12/29	27.00			2.89
12/30	8.00			ERR
12/31				ERR
01/01				ERR

VOC EMISSIONS -- COATER NO. 2 (P026)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS		TOTAL EMISSIONS	
D-959 (Washup)	29.00	65.25	Gals.	182.87	VOCs	820.09
D-959 (Coating)	33.25					
CV-L Clear Size	28.00	190.96				
CD-L 444 Lacq.						
CD-I 447 Lacq.	85.00	515.95				
XLS-223 UV In.	2.57	17.73				
XLB-365 Fl.Paste	1.00	5.77				
UBD-777 Blue						
UBN-777 Blue						
CV-I 291 Strip						
1057 White Coat	4.00	24.04				
6585-D Black						
4615 Ch.Yellow						
88202-9221 Orange						
86202-4113 Brown						
3163 Red Vinyl						
8440-D Varnish						
No. 20 Hardener						
9360 Flow.Agent						
Brass Concen.						
7474 Black Con.	0.06	0.39				
5392 Yellow Con						
5410 Red Concent.						

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
11/30				ERR
12/01	3.25	1.50		1.23
12/02	8.52	0.50		2.66
12/03	8.75	4.50	3.00	3.46
12/04	4.55	3.00	3.00	3.93
12/07	2.00	3.00	0.50	2.04
12/08	6.00	3.00	0.75	3.98
12/09	6.00		1.00	2.72
12/10	6.50		0.50	2.91
12/11	6.50		1.50	2.46
12/14	12.00	4.00	0.75	4.91
12/15	18.50		0.50	3.99
12/16	28.00	4.00	2.00	3.60
12/17	8.00	4.00	0.50	2.98
12/18	15.25		3.75	2.76
12/21	8.00		3.00	2.56
12/22	8.06	4.00		2.27
12/23	21.13	3.00		3.18
12/24				ERR
12/25				ERR
12/28				ERR
12/29	16.25	4.00	2.00	2.38
12/30	8.13	3.00		3.23
12/31				ERR
01/01				ERR

VOC EMISSIONS -- COATER NO. 3 (P027)

	TOTAL GALLONS	TOTAL VOCs	TOTAL PRODUCTS	TOTAL EMISSIONS
D-959 (Washup)			Gals.	VOCs
D-959 (Coating)				
CV-L Clear Size				
CD-L 444 Lacq.				
CD-I 447 Lacq.				
XLS-223 UV In.				
XLB-365 Fl.Paste				
UBD-777 Blue				
UBN-777 Blue				
CV-I 291 Strip				
1057 White Coat				
6585-D Black				
4615 Ch.Yellow				
88202-9221 Orange				
86202-4113 Brown				
3163 Red Vinyl				
8440-D Varnish				
No. 20 Hardener				
9360 Flow.Agent				
Brass Concen.				
7474 Black Con.				
5392 Yellow Con				
5410 Red Concent.				

Date	Total Gallons Used	Coating Solvents	Wash up Solvents	Average VOC Emissions
11/30				ERR
12/01				ERR
12/02				ERR
12/03				ERR
12/04				ERR
12/07				ERR
12/08				ERR
12/09				ERR
12/10				ERR
12/11				ERR
12/14				ERR
12/15				ERR
12/16				ERR
12/17				ERR
12/18				ERR
12/21				ERR
12/22				ERR
12/23				ERR
12/24				ERR
12/25				ERR
12/28				ERR
12/29				ERR
12/30				ERR
12/31				ERR
01/01				ERR

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
FIRST SHIFT	11/30			12/01			12/02			12/03			12/04		
D-959 (Washup)							1.00								
D-959 (Coating)				0.50	1.50		1.50	0.50		2.00	1.50		1.00		
CV-L Clear Size							1.00			2.00					
CD-L 444 Lacq.															
CD-I 447 Lacq.					2.00			3.00			3.00				
XLS-223 UV In.															
XLB-365 Fl.Paste															
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip				7.00											
1057 White Coat													5.00		
6585-D Black															
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS				8	8		8	8		8	8		8		

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
SECOND SHIFT	11/30			12/01			12/02			12/03			12/04		
D-959 (Washup)							3.00				3.00		3.00	3.00	
D-959 (Coating)				2.00			1.00	1.50		0.88	0.75		2.50	0.50	
CV-L Clear Size										5.00					
CD-L 444 Lacq.															
CD-I 447 Lacq.					1.00			4.00			5.00			4.00	
XLS-223 UV In.								0.02						0.05	
XLB-365 Fl.Paste					0.25										
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip							5.00								
1057 White Coat															
6585-D Black															
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS				8	8		8	8		8	8		8	8	

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
FIRST SHIFT	12/07			12/08			12/09			12/10			12/11		
D-959 (Washup)	3.00			3.00	3.00		3.00			3.00	3.00		3.00		
D-959 (Coating)	1.00	0.50		1.00	0.75		2.00	1.00		0.75	0.50		2.00	1.50	
CV-L Clear Size		3.00		3.00	3.00		4.00			5.00					
CD-L 444 Lacq.															
CD-I 447 Lacq.					3.00			4.00			4.00			4.00	
XLS-223 UV In.											0.50				
XLB-365 Fl.Paste															
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip	5.00			4.00									5.00		
1057 White Coat															
6585-D Black															
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS	8	8		8	8		8	8		8	8		8	8	

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
SECOND SHIFT	12/07			12/08			12/09			12/10			12/11		
D-959 (Washup)	2.00						4.00	2.50		2.00					
D-959 (Coating)	0.50	1.25		0.50	1.50			1.25		0.50	1.00		1.00	1.00	
CV-L Clear Size	1.50						2.00	2.00							
CD-L 444 Lacq.															
CD-I 447 Lacq.		2.00			3.00						2.00			2.00	
XLS-223 UV In.															
XLB-365 Fl.Paste														0.50	
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip				7.00						3.00			7.00		
1057 White Coat															
6585-D Black															
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS	8	8		8	8		8	8		8	8		8	8	

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
FIRST SHIFT	12/14			12/15			12/16			12/17			12/18		
D-959 (Washup)	2.00			2.00						1.00					
D-959 (Coating)	1.00	0.75		0.25	1.50		0.50	0.50		0.50	1.50			1.00	
CV-L Clear Size		3.00									2.00				
CD-L 444 Lacq.															
CD-I 447 Lacq.					6.00			2.00						3.00	
XLS-223 UV In.														0.25	
XLB-365 Fl.Paste					0.25										
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip							7.00			2.00					
1057 White Coat	1.00														
6585-D Black	6.00														
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS	8	8		8	8		8	8		8	8			8	

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
SECOND SHIFT	12/14			12/15			12/16			12/17			12/18		
D-959 (Washup)	5.00	3.00					4.00			4.00	3.00				
D-959 (Coating)	1.00	0.75		0.50	0.75		1.00	0.50		1.00				0.50	
CV-L Clear Size		4.00		5.00				4.00			4.00				
CD-L 444 Lacq.															
CD-I 447 Lacq.					4.00			3.00						4.00	
XLS-223 UV In.					0.25										
XLB-365 Fl.Paste															
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip	4.00						5.00			4.00					
1057 White Coat		4.00													
6585-D Black	3.00														
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS	8	8		8	8		8	8		8	8			8	

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
FIRST SHIFT	12/21			12/22			12/23			12/24			12/25		
D-959 (Washup)	2.00				2.50										
D-959 (Coating)	1.00				1.00			1.00							
CV-L Clear Size	4.00			5.00											
CD-L 444 Lacq.															
CD-I 447 Lacq.					2.00			2.00							
XLS-223 UV In.								0.13							
XLB-365 Fl.Paste															
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip															
1057 White Coat															
6585-D Black															
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.				0.11											
7474 Black Con.					0.06										
5392 Yellow Con				0.11											
5410 Red Concent				0.06											
HOURS	8			8	8			8							

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
SECOND SHIFT		12/21			12/22			12/23			12/24			12/25	
D-959 (Washup)	3.00			3.00				3.00							
D-959 (Coating)	1.00	0.50		0.50				0.75							
CV-L Clear Size		3.00		4.00											
CD-L 444 Lacq.															
CD-I 447 Lacq.	2.00							4.00							
XLS-223 UV In.								1.00							
XLB-365 Fl.Paste															
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip	3.00														
1057 White Coat															
6585-D Black															
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS	8	8		8				8							

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
FIRST SHIFT	12/28			12/29			12/30			12/31			01/01		
D-959 (Washup)															
D-959 (Coating)	2.00			0.50	0.75		1.50								
CV-L Clear Size	4.00						3.00								
CD-L 444 Lacq.															
CD-I 447 Lacq.					2.00										
XLS-223 UV In.															
XLB-365 Fl.Paste															
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip				7.00											
1057 White Coat															
6585-D Black															
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS	8			8	8		8								

WEEKLY VOC EMISSIONS --- COATER DEPARTMENT

	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3	Ctr#1	Ctr#2	Ctr#3
	MONDAY			TUE ESDAY			WEDNESDAY			THURSDAY			FRIDAY		
SECOND SHIFT	12/28			12/29			12/30			12/31			01/01		
D-959 (Washup)	5.00			3.00			3.00								
D-959 (Coating)				1.00	2.50		2.50								
CV-L Clear Size															
CD-L 444 Lacq.															
CD-I 447 Lacq.					4.00		3.00								
XLS-223 UV In.					0.25		0.13								
XLB-365 Fl.Paste															
UBD-777 Blue															
UBN-777 Blue															
CV-I 291 Strip				4.00											
1057 White Coat	2.00														
6585-D Black	3.00														
4615 Ch.Yellow															
88202-9221 Orang															
86202-4113 Brown															
3163 Red Vinyl															
8440-D Varnish															
No. 20 Hardener															
9360 Flow.Agent															
Brass Concen.															
7474 Black Con.															
5392 Yellow Con															
5410 Red Concent															
HOURS	8			8	8		8								

WEEKLY USAGE -- COATERS

	MON 11-30			TUE 12-1			WED 12-2			THUR 12-3			FRI 12-4		
Shift: first	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)							2 GAL								
D-959 (Into Coat.)		1½ GAL		½ GAL	1½ GAL		1½ GAL	1 Qt		2 GAL	1½ GAL		1 GAL		
CV-L 294 Clear Size							1 GAL			2 GAL					
CD-L 447 Lacquer		3 GAL			2 GAL			3 gal			3 GAL				
XL-B 365 Flattening Paste															
XL-S 223 UV Inhibitor															
CV-L 291 Strip Coating				7 GAL											
1057 White Coating													5 GAL		
6585-D Black Coating															
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

Shift: 2	MON 11-30			TUE 12-1			WED 12-2			THUR 12-3			FRI 12-4		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)							3gal				3gal		3gal	3gal	
D-959 (Into Coat.)		3qts		2gal			1gal	1½gal		3½qts	3qts		2½gal	2gal	
CV-L 294 Clear Size										5gal					
CD-L 447 Lacquer		5gal			1gal			4gal			5gal			4gal	
XL-B 365 Flattening Paste								2lb						7lb	
XL-S 223 UV Inhibitor		1qt													
CV-L 291 Strip Coating							5gal								
1057 White Coating															
6585-D Black Coating															
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

Shift: 2	MON 12-7			TUE 12-8			WED 12-9			THUR 12-10			FRI 12-11		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)	3gal			3gal	3gal		3gal			3gal	3gal		3gal		
D-959 (Into Coat.)	1gal	2qts		1gal	3qts		2qts	1gal		3qts	2qt		2gal	1/2qt	
CV-L 294 Clear Size		3gal		3gal	3gal		4gal			5gal					
CD-L 447 Lacquer					3gal			4gal			4gal			4gal	
XL-B 365 Flattening Paste															
XL-S 223 UV Inhibitor											1/2 qt				
CV-L 291 Strip Coating	5gal			4gal									5gal		
1057 White Coating															
6585-D Black Coating															
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

Shift: 1st	MON 12-7			TUE 12-8			WED 12-9			THUR 12-10			FRI 12-11		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)	9 GAL						4 GAL	2½ gal		2 GAL					
D-959 (Into Coat.)	½ GAL	1¼ gal		½ GAL	1½ gal			1¼ gal	1½ gal	1 QT	1½ gal		1 GAL	1½ gal	
CV-L 294 Clear Size	1½ GAL						2 GAL	3 gal							
CD-L 447 Lacquer		2 gal			3 gal				2 gal		2 gal			2 gal	
XL-B 365 Flattening Paste									1½ qt		1½ qt				
XL-S 223 UV Inhibitor															
CV-L 291 Strip Coating				7 GAL						3 GAL			7 GAL		
1057 White Coating															
6585-D Black Coating															
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

Shift: 1st	MON 12-14			TUE 12-15			WED 12-16			THUR 12-17			FRI 12-18		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)	2 GAL			2 GAL						2 GAL					
D-959 (Into Coat.)	1 GAL	3½ gal		1 QT	1½ GAL		½ GAL	1½ gal		[illegible]	[illegible]			1 GAL	
CV-L 294 Clear Size		3 gal		1 GAL							2 GAL				
CD-L 447 Lacquer					6 GAL			2 gal						3 GAL	
XL-B 365 Flattening Paste					½ PTS										
XL-S 223 UV Inhibitor														1 QT	
CV-L 291 Strip Coating							7 GAL			2 GAL					
1057 White Coating	1 GAL														
6585-D Black Coating	6 GAL														
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
55-777 ue Concentrate															

WEEKLY USAGE -- COATERS

Shift: 2.	MON 12-14			TUE 12-15			WED 12-16			THUR 12-17			FRI 12-18		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)	5gal	3gal					4gal			4gal	3gal				
D-959 (Into Coat.)	1gal	3qt		2qt	3qt		1gal	2qt		1gal				2qt	
CV-L 294 Clear Size		3gal		5gal				4gal			4gal				
CD-L 447 Lacquer					4gal			3gal						4gal	
XL-B 365 Flattening Paste															
XL-S 223 UV Inhibitor					1qt										
CV-L 291 Strip Coating	4gal						5gal			4gal					
1057 White Coating		4gal													
6585-D Black Coating	3gal														
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

	MON 21			TUE 22			WED 23			THUR 24			FRI 25		
Shift: first	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)	2 GAL				1½ gal										
D-959 (Into Coat.)	1 GAL			5 GAL	1 gal			1 GAL							
CV-L 294 Clear Size	4 GAL														
CD-L 447 Lacquer					2 gal			2 GAL							
XL-B 365 Flattening Paste								1 PT							
XL-S 223 UV Inhibitor															
CV-L 291 Strip Coating															
1057 White Coating															
6585-D Black Coating															
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate				1/4 oz											
5474 Black Concentrate					7 oz										
5392 Yellow Concentrate				1/4 oz											
5410 Red Concentrate				7 oz											
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

Shift: 2	MON 12-21			TUE 12-22			WED 12-23			THUR Holiday			FRI Holiday		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)	3gal			3gal				3gal							
D-959 (Into Coat.)	1gal	2qt		2qt				3qt							
CV-L 294 Clear Size		3gal		4gal											
CD-L 447 Lacquer	2gal							4gal							
XL-B 365 Flattening Paste															
XL-S 223 UV Inhibitor								1qt							
CV-L 291 Strip Coating	3gal														
1057 White Coating															
6585-D Black Coating															
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

Shift: first	MON 12-28			TUE 12-29			WED 12-30			THUR			FRI		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)															
D-959 (Into Coat.)	2 GAL			2 qt	3 pts		1½ GAL								
CV-L 294 Clear Size	4 GALLON						3 GAL								
CD-L 447 Lacquer					2 GAL										
XL-B 365 Flattening Paste															
XL-S 223 UV Inhibitor															
CV-L 291 Strip Coating				1 gal											
1057 White Coating															
6585-D Black Coating															
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

WEEKLY USAGE -- COATERS

Shift: 2	MON 12-28			TUE 12-29			WED 12-30			THUR Holiday			FRI Holiday		
	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3	#1	#2	#3
D-959 (Wash up)	5gal			3gal	3gal			3gal							
D-959 (Into Coat.)				1gal	2½qts			2½qts							
CV-L 294 Clear Size															
CD-L 447 Lacquer					4gal			3gal							
XL-B 365 Flattening Paste															
XL-S 223 UV Inhibitor					1qt			½qt							
CV-L 291 Strip Coating				4gal											
1057 White Coating	2gal														
6585-D Black Coating	3gal														
4615 Chrome Yellow															
88202-9221 Orange Coating															
86202-4113 Stolle Brown Coat															
EV-L 922 Red Coating															
5391 Brass Concentrate															
5474 Black Concentrate															
5392 Yellow Concentrate															
5410 Red Concentrate															
755-777 Blue Concentrate															

4 INVOICES

... DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL II

BRAINARD METALS WEBSTER 1723

INVOICE NUM
375966

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

ACCOUNT NO. 1004040

INVOIC 12/

AMOUNT ENCLOSED $ _____

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

375966 12/

DUMPMASTER SERVICE FOR DECEMBER		220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT 5.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH	255.07

RECEIV D
JAN 8 1982
BRAINERD INDUST IES

APPROVED	
CHARGE A/C #	9005
GROSS AMT.	255.07
DED. CR	
AMT. TO PAY	255.07
DATE PAID	1-14-82
CHECK #	15389
AMT. PAID	255.07

NDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

INDUSTRIAL WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
373228

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON CHIO 45404

ACCOUNT NO. 1004040

INVOICE DAT 11/30/81

AMOUNT ENCLOSED $

[redacted]

NO.

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

373228 11/30/

[redacted]

DUMPMASTER SERVICE FOR NOVEMBER		220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT $.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH	255.07

RECEIVED

DEC 4 1981

BRAINERD INDUSTRIES

APPROVED	
CHARGE A/C	9 -
GROSS AMT.	255.07
DED. OR	
AMT. TO PAY	255.0
DATE PAI	12-14-8
CHECK #	15202
AMT. PAID	0

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-082

INDUSTRIAL WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453, 3975 WAGONER FORD ROAD
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
364876

ACCOUNT NO. 1004040
INVOICE DATE 08/31/81

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

AMOUNT ENCLOSED $_____

REF. NO.

BRAINARD METALS WEBSTER 1723 364876 08/31/
1723 WEBSTER

DUMPMASTER SERVICE FOR AUGUST		220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT $.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH	255.07

RECEIVED
SEP 8 1981
BRAINERD MET. DEC., CO.

APPROVED	
CHARGE A/C	~~40409~~
GROSS AM	255.07
DED. OR	
AMT. TO P Y	255.0
DATE PAID	9-16-81
CHECK #	14579
AMT. PAID	255.07

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

BRAINARD METALS WEBSTER 1723 367668 09/30/8
1723 WEBSTER

DUMPMASTER SERVICE FOR SEPTEMBER			220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.27 PER CU. YD.	35.07
		TOTAL INVOICE THIS MONTH	255.07

RECEIVED
OCT 7 1981
BRAINERD MET. DEC., CO.

APPROVE	
CHARGE A/C	9005
GROSS AMT.	255.07
DED. OR	
AMT. TO PAY	255.07
DATE PAID	10-16-81
CHECK #	14763
AMT. PAID	255.0

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

.O. BOX 1453 OMPANY, INC.
DAYTON, OHIO 45414
(513) 278-0821

BILL TO BRAINARD METALS
1723 WEBSTER
DAYTON
OHIO 45404

BRAINARD METALS WEBSTER 17
ORIGINAL
INVOICE NO
37046

ACCOUNT NO. 1004040
INVO
10

AMOUNT ENCLOSED $

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

REF

DUMPMASTER SERVICE FOR OCTOBER

370461 10/

COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.27 PER CU. YD. 220.00

TOTAL INVOICE THIS MONTH 35.07

********** UNPAID INVOICES **********

09/30/81 367668 255.07

TOTAL PAST DUE INVOICES 255.07

TOTAL AMOUNT DUE 510.14

APPROVED	
CHARGE A/C #	
GROSS AMT.	255.0
DED. OR	
AMT. TO PAY	255.07
DATE PAID	11-16-81
CHECK #	14986
AMT. PAID	

RECEI ED
NOV 9 19 1
BRAINERD MET. EC., CO.

NDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

INDUSTRIAL WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
378662

ACCOUNT NO.	INVOICE DATE
1004040	01/31/82

NET

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

AMOUNT ENCLOSED $ _____

	REF. NO.	DATE
BRAINARD METALS WEBSTER 1723 1723 WEBSTER	378662	01/31/

DUMPMASTER SERVICE FOR JANUARY			220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.27 PER CU. YD.	35.07
		TOTAL INVOICE THIS MONTH	255.07

RECEIVED
FEB 8 1982
BRAINERD INDUSTRIES

APPROVE	
CHARGE A/C #	005
GROSS AMT.	255.07
DED. OR	
AMT. TO PAY	255.07
DATE PAI	2-82
CHECK #	151603
AMT. PAI	0

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

INDUSTRIAL WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
381306

ACCOUNT NO.	INVOICE DATE
1004040	02/28/82

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

AMOUNT ENCLOSED $ _____

BRAINARD METALS WEBSTER 1723 381306 02/28/
1723 WEBSTER

DUMPMASTER SERVICE FOR FEBRUARY		220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT $.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH	255.07

RECEIVED
MAR 9 1982
BRAINERD INDUSTRIES

APPROVED	
CHARGE A/C	9005
GROSS AMT.	255.07
DED. OR	
AMT. TO PAY	255.07
DATE PAID	3-1-82
CHECK #	15773
AMT. PAID	.C

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

INDUSTRIAL WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
383941

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

ACCOUNT NO.
1004040

INVOICE DA
03/31/

AMOUNT ENCLOSED $

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

383941 03/31

DUMPMASTER SERVICE FOR MARCH

COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.27 PER CU. YD. 220.00

35.07

TOTAL INVOICE THIS MONTH 255.07

ECEIVED
APR 12 1982
BRAINERD INDUSTRIES

APPROVED	
CHARGE A/C #	90
GROSS AMT.	255.0
DED. OR	
AMT. TO PAY	255.07
DATE PAID	4-22-82
CHECK #	16029
AMT. PAID	255.07

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

INDUSTRIAL WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
386566

ACCOUNT NO.	INVOICE DATE
1004040	04/30/82

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

AMOUNT ENCLOSED $

[redacted] DATE

BRAINARD METALS WEBSTER 1723 386566 04/30/
1723 WEBSTER

DUMPMASTER SERVICE FOR APRIL			220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.27 PER CU. YD.	35.07
		TOTAL INVOICE THIS MONTH	255.07

APPROVED	
CHARGE A/C	9005
GROSS AM	255.07
DED. OR	
AMT. TO P Y	
DATE PAID	5-13-82
CHECK #	16147
AMT. PAID	255.07

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

ISPOSA COMPANY, INC.
O. BOX 1453
YTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
389234

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

ACCOUNT NO.
1004040

INVOICE DAT
05/31/8

AMOUNT ENCLOSED $ _____

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

389234 05/31/

DUMPMASTER SERVICE FOR MAY

COUNTY INCINERATOR ADJUSTMENT CHARGE	AT $.27 PER CU. YD.	220.00
		35.07
	TOTAL INVOICE THIS MONTH	255.07

RECEIVED
JUN 07 1982
BRAINERD INDUSTRIES

APPROVED	
CHARGE A/C #	305
GROSS AMT	255.07
DED. OR	
AMT. TO PA	255.0
DATE PAID	
CHECK #	
AMT. PAID	

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

IAL WASTE DISPOSA COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

9005

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
391927

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

ACCOUNT NO.	INVOICE DATE
1004040	06/30/82

AMOUNT ENCLOSED $ _____

BRAINARD METALS WEBSTER 1723 391927 06/30/
1723 WEBSTER

DUMPMASTER SERVICE FOR JUNE			220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH		255.07

RECEIVED
JUL 7 1982
BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

91430

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
394617

ACCOUNT NO.	INVOICE DATE
1004040	07/31/82

RAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

AMOUNT ENCLOSED $ _____

YOUR

[redacted]

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

9005

394617 07/31/

DUMPMASTER SERVICE FOR JULY			220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH		255.07

RECEIVED
AUG 6 1982
BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-08

WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

9005 91430

ORIGINAL INVOICE

BILL TO BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER 397266

ACCOUNT NO. 1004040

INVOICE DATE 08/31/82

TERMS: NET 10 DAYS AFTER RECEIPT OF INVOICE

TO INSURE PROPER CREDIT RETURN THIS UPPER PORTION WITH YOUR REMITTANCE.

AMOUNT ENCLOSED $

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

DUMPMASTER SERVICE FOR AUGUST 397266 08/31/82

COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.27 PER CU. YD. 220.00

TOTAL INVOICE THIS MONTH 35.07

255.07 *

RECEIVED

COMPANY, INC.

9005

BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
399956

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

ACCOUNT NO.	INVOICE DATE
1004040	09/30/82

TERMS: NET 10 DAYS AFTER RECEIPT OF INVOICE

TO INSURE PROPER CREDIT RETURN THIS UPPER PORTION WITH YOUR REMITTANCE.

AMOUNT ENCLOSED $ _____

BRAINARD METALS WEBSTER 1723 399956 09/30/82
1723 WEBSTER

DUMPMASTER SERVICE FOR SEPTEMBER			220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH		255.07 *

RECEIVED
OCT 4 1982
BRAINERD INDUSTRIES

WASTE DISPOSAL COMPANY, INC.
P.O. BOX 1453
DAYTON, OHIO 45414
(513) 278-0821

9005
91430

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
402655

ACCOUNT NO.	INVOICE DATE
1004040	10/31/82

BILL TO
BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

TERMS: NET 10 DAYS AFTER RECEIPT OF INVOICE

TO INSURE PROPER CREDIT RETURN THIS UPPER PORTION WITH YOUR REMITTANCE.

AMOUNT ENCLOSED $ _____

402655 10/31/82

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

DUMPMASTER SERVICE FOR OCTOBER		220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT $.27 PER CU. YD.	35.07
	TOTAL INVOICE THIS MONTH	255.07 *

RECEIVED

NOV 3 1982

-UMPANY, INC. 9005
53
45414
8-0821

ORIGINAL INVOICE

BRAINARD METALS WEBSTER 1723

INVOICE NUMBER
405321

BILL TO BRAINARD METALS
1723 WEBSTER
DAYTON OHIO 45404

ACCOUNT NO. 1004040

INVOICE DATE 11/30/82

TERMS: NET 10 DAYS AFTER RECEIPT OF INVOICE

TO INSURE PROPER CREDIT RETURN THIS UPPER PORTION WITH YOUR REMITTANCE.

AMOUNT ENCLOSED $

BRAINARD METALS WEBSTER 1723
1723 WEBSTER

405321 11/30/82

DUMPMASTER SERVICE FOR NOVEMBER

COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.27 PER CU. YD. 220.00

TOTAL INVOICE THIS MONTH 35.07

255.07

RECEIVED

DEC 3 1982

	REF. NO.	INVOICE NO.	DATE
9005		407964	12/31/82

DESCRIPTION	AMOUNT
D ... SERVICE FOR DECEMBER	
COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.34 PER CU. YD.	220.00
	44.17
TOTAL INVOICE THIS MONTH	264.17 *

RECEIVED

JAN 5 1983

BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-0821

ON	P.O. NO.	REF. NO.	INVOICE NO.	DATE
EBSTER 1723	9005		413122	02/28/83

DESCRIPTION	AMOUNT
SERVICE FOR FEBRUARY	
INCINERATOR ADJUSTMENT CHARGE AT $.34 PER CU. YD.	220.00
TOTAL INVOICE THIS MONTH	44.17
********** UNPAID INVOICES **********	264.17 *
01/31/83 410529 264.17	
TOTAL PAST DUE INVOICES	264.17 Paid 3/2/83
TOTAL AMOUNT DUE	528.34 **

RECEIVED

MAR 3 1983

BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-0821

S WEBSTER 1723

415696 03/31/8

TER SERVICE FOR MARCH 220.00

NTY INCINERATOR ADJUSTMENT CHARGE AT 5.34 PER CU. YD. 44.17

TOTAL INVOICE THIS MONTH 264.17

RECEIVED

APR 5 1983

BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL , INC., P.O. BOX 1453, DAYTON, OHIO 454. - 278-0821

-ustER -- WEBSTER 1723			418257	04/30/83

DESCRIPTION			AMOUNT
DUMPMASTER SERVICE FOR APRIL		9005	220.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.34 PER CU. YD.	44.17
	TOTAL INVOICE THIS MONTH		264.17 *

RECEIVED

MAY 4 1983

BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-0821

DESCRIPTION	INVOICE NO.	DATE	AMOUNT
.R SERVICE FOR MAY	420847	05/31/83	
COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.34 PER CU. YD.			220.00
TOTAL INVOICE THIS MONTH			44.17
			264.17 *

RECEIVED

JUN 6 1983

BRAINERD INDUSTRIES

P.O. #

MATERIAL RECD

COST CHECKED

ENTERED

CHARGED TO

CHARGE ACCT # 9005

PAYMENT APPROVED J. Tam

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-0821

P.O. NO.	REF. NO.	INVOICE NO.	DATE
		423434	06/30/83

DESCRIPTION	AMOUNT
SERVICE FOR JUNE	230.50
COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.34 PER CU. YD.	58.89
TOTAL INVOICE THIS MONTH	289.39 *

RECEIVED

JUL 6 1983

BRAINERD INDUSTRIES

P.O. #

MATERIAL RECD

COST C

SITE C

CHARGE ACCT # 9005

CHARGE ACCT #

PAYMENT APPROVED

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-0821

425997 07/31/83

SERVICE FOR JULY			230.50
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.34 PER CU. YD.	58.89
	TOTAL INVOICE THIS MONTH		289.39 *

P.O. #
MATERIAL REC'D
COST CHECKED ✓
EXTENSION
CHARGE ACCT # 2005
CHARGE ACCT #
PAYMENT APPROVED

RECEIVED
AUG 4 1983
BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-0821

P.O. NO.	REF. NO.	INVOICE NO.	DATE
		428522	08/31/83

DESCRIPTION	AMOUNT
TER SERVICE FOR AUGUST	230.50
OUNTY INCINERATOR ADJUSTMENT CHARGE AT $.34 PER CU. YD.	58.89
TOTAL INVOICE THIS MONTH	289.39 *

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

RECEIV D

SEP 6 1983

BRAINERD INDUST IES

8

NDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-082

431086 09/30/

VICE FOR SEPTEMBER			230.50
ERATOR ADJUSTMENT CHARGE	AT	$.34 PER CU. YD.	58.89
	TOTAL INVOICE THIS MONTH		289.39

P.O. # ____
MATERIAL REC'D ✓
COST CHECKED ✓
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT # ____
PAYMENT APPROVED Julie

RECEIVED

OCT 6 1983

BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 -

433637 | 101

S		230.5
SERVICE FOR OCTOBER		58.8
TY INCINERATOR ADJUSTMENT CHARGE	AT $.34 PER CU. YD.	289.
	TOTAL INVOICE THIS MONTH	

RECEIVED
NOV 3 1983
BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D
COST CHECKED ✓
EXTENSION CHECKED
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414

RIES 436175 11

STER SERVICE FOR NOVEMBER 230.5

COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.34 PER CU. YD. 58.8

TOTAL INVOICE THIS MONTH 289.39

RECEIVED

DEC 6 1983

BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-

S

438683 1

STER SERVICE FOR DECEMBER
EXTRA - 08 CU. YD. ON 12/09/83 AT 20.00 EA. #285526 230.
COUNTY INCINERATOR ADJUSTMENT CHARGE AT $.34 PER CU. YD. 20.
TOTAL INVOICE THIS MONTH 61.
312.1

RECEIVED

JAN 9 1984

BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D ✓
COST CHECKED
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-

441166 01/31/

SERVICE FOR JANUARY	20.00 EA.	#291580	230.50
EXTRA - DE CU. YD. ON 01/20/84 AT			20.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.34 PER CU. YD.	61.61
	TOTAL INVOICE THIS MONTH		312.1

RECEIVED

FEB 6 1984

BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D
COST CHECKED ✓
EXTENSION CHECKED
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414

IES 443629 02/29

...TER SERVICE FOR FEBRUARY			230.50
EXTRA - 08 CU. YD. ON 02/29/84 AT	20.00 EA.	#289113	20.00
JUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.34 PER CU. YD.	61.61
	TOTAL INVOICE THIS MONTH		312.11

RECEIVED

MAR 5 1984

BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-

446061 03/

SERVICE FOR MARCH		230.50
ONTY INCINERATOR ADJUSTMENT CHARGE	AT $.34 PER CU. YD.	58.89
	TOTAL INVOICE THIS MONTH	289.39

RECEIVED

APR 6 1984

BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278-

448181 04/30

DUMPMASTER SERVICE FOR APRIL			230.50
1 EXTRA - 06 CU. YD. ON 04/02/84 AT	20.00 EA.	#299872	20.00
COUNTY INCINERATOR ADJUSTMENT CHARGE	AT	$.34 PER CU. YD.	61.61
	TOTAL INVOICE THIS MONTH		312.11

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

RECEIVED

MAY 7 1984

BRAINERD INDUSTRIES

INDUSTRIAL WASTE DISPOSAL CO., INC., P.O. BOX 1453, DAYTON, OHIO 45414 - 278

...NED 05/31/84
BRAINARD METALS
1723 WEBSTER
906906 6002298 502817

Batch # 4602 Date 6-13-84
Vendor # 91430
P. O. #
Invoice # 502817
Invoice Date 5-30-84
Invoice Amt. - $ 578.78
Disc. Amount
Due Date 6-13-84
Account # 9005

JUN 84	QTY.	DATE	REF NO	AMOUNT
		05/30/84		578.78
TOTAL CURRENT CHARGES				578.78

P. O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED Mam

CURRENT
578.78

TOTAL AMOUNT NOW DUE
578.78

3359

9069 6002298 60708

FLA

F

BR

Batch # 4604 Date 6-27-84
Vendor# 91430
P. O. #
Invoice # 607084
Invoice Date 6-20-84
Invoice Amt. - $ 289.39
Discount Amt.
Due Date 7-03-84
Account # 9005

QTY	DATE	REF NO	AMOUNT
	06/20/84		289.39
TOTAL CURRENT CHARGES			289.39

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED ✓
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED Mam

CURRENT
289.39

289.39

7989

INVOICE

FOR CURRENT CHARGES
RETAIN THIS PORTION

DATE PREPARED 07/20/84
BRAINARD METALS
1723 1-0593-XWEBSTER
906906 6002298 712454

DESCRIPTION	QTY	DATE	REF NO	AMOUNT
INVOICE AUG 84		07/20/84		289.39
TOTAL CURRENT CHARGES				289.39

RECEIVED
JUL 26 1984
BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

289.39

CURRENT
289.39

1351

95914 FOR CURRENT CHARGES RETAIN THIS PORTION

BRAINARD 1723 1-0 -XWEBSTER 90 6 2

-0821

DESCRIPTION	QTY	DATE	REF NO	AMOUNT
RATE SERVICE SEP 84		08/20/84		289.39
TOTAL CURRENT CHARGES				289.39

RECEIVED

AUG 27 1984

BRAINERD INDUSTRIES

P.O. #
MATERIAL REC'D
COST CHECKED
EXTENSION CHECKED
CHARGE ACCT # 9005
CHARGE ACCT #
PAYMENT APPROVED

CURRENT 289.39

289.39

5 PROCEDURE

ChemMaster Procedure
for identifying
Hazardous Materials
Consumed by Brainerd Industries

1. Research all invoices for FY 1981, 1982, and 1983 and make copies of each

2. Enter each invoice into Q-Pro called "FY-81-INV", "FY-82-INV" or FY-83-INV"

3. Sort by: 1. Product Name to determine total items purchased each year
   1981, 102 items
   1982, 94 items
   1983, 121 items

   2. Material Safety Data Sheet number

3. Calculate total pounds for each MSDS category

4. Create a category "HAZ-MAT" in ChemMaster Inventory Reporting System

5. Assign MSDS Number to "HAZ-MAT" department

6. Enter total pounds used for each MSDS identified

7. Using ChemMaster SARA Reports Option 4, run #5 and set all quantities at "0" to determine total amount of chemical contained within each product used during year.

Introduction

Welcome to the CHEM Master System

SOFTTouch Systems, Inc. would like to thank you for choosing the CHEM Master System to solve your SARA reporting and Right-To-Know compliance needs. We hope that you will find your experience with CHEM Master to be both pleasant and productive.

The CHEM Master system is the most comprehensive chemical data management system on the market today. CHEM Master has evolved over several years, via user feedback, into a system which transforms the complexity of chemical tracking and right-to-know data analysis into a simple clerical function.

With CHEM Master, you will be able to track and report physical, hazard, and manufacturer information about the chemicals in your workplace. You will also be able to manage information such as the location and quantities of chemicals stored and used throughout your company. CHEM Master provides a mechanism for gathering and reporting information about the chemicals you release to air, water, land, and off-site locations.

Through CHEM Master's Industrial Hygiene and Hazard Evaluation features, you can report the potential and measured exposures of employees to various chemical and/or physical agents. You can store actual MSDS information on-line and coordinate requests to suppliers for updates of MSDSs.

CHEM Master's SARA reporting module allows you to record spill/release incidents and provides printed historical reports for Section 304 and surveys for SARA Title III Sections 311, 312, and 313. CHEM Master prints facsimile surveys for the Federal Tier II, many state Tier II surveys, and EPA Form "R".

These are just a few of the powerful features and benefits that are available in the CHEM Master system.

This manual is designed to supplement CHEM Master's screen menus, extensive on-line help system, and toll free customer support line. With CHEM Master, you receive one full year of unlimited customer support on this toll free line. Our toll-free customer service number is **800-543-2064**. Before calling for customer support please read Appendix C of this manual.

Before you install CHEM Master, please be sure to read the License Agreement in Appendix A of this manual.

The installation and operating instructions are located in Appendix B of this manual.

Again, thank you for choosing The CHEM Master System.

System Overview

The CHEM Master system is divided into five basic parts:

The Master Chemical Database

The Chemical Inventory Database

The Employee and IH Survey Database

Reports, Labeling, and SARA Surveys

Auxiliary Functions

The Master Chemical Database

The Master Chemical Database basically stores the "WHAT?" information about a chemical. The "WHAT?" information can include, among many data elements, the Chemical Abstract Services "CAS" Number, density, Department of Transportation "DOT" number, synonyms, mixture components, regulatory reporting thresholds, exposure limits, manufacturers, MSDS information and hazard flags. The CHEM Master III chemical database can store "WHAT?" information on up to one million chemicals. CHEM Master III comes equipped with a comprehensive database of approximately 5,000 chemicals.

IMPORTANT NOTE: **Please refer to Appendix D of this manual for Master Chemical Database Release Notes on the chemical database supplied with CHEM Master. These release notes are necessary to enhance your understanding of what information and the reasoning that ENVIROGENICS used in preparing the chemical database that it supplied with your CHEM Master system.**

A powerful feature of CHEM Master is that it incorporates a unique system of hazard flags. Hazard flags are three character codes that can be assigned to chemicals. Hazard flagging allows you to group or classify chemicals according to user-defined criteria such as the chemical's hazard(s), applicable governmental regulations, physical characteristics or any other grouping that you may desire to implement. An unlimited number of hazard flags can be assigned to any given chemical. Later on, you'll discover that you can list chemicals and/or locations by hazard flag groupings.

The Chemical Inventory Database

The Chemical Inventory Database holds the "WHERE?", "HOW MUCH?", and "HOW IS IT STORED?" information about chemicals in your company. The Chemical Inventory Database is also used to calculate chemical releases to the environment for EPA Form "R" surveys.

The Chemical Inventory Database - Continued

"WHERE" answers the question about physical locations of chemicals present in your company and what processes utilize those chemicals. The "HOW MUCH" deals with the average daily amounts, the maximum amounts, annual usage and the amount released to the environment. "HOW IS IT STORED" describes the container, pressure, temperature and physical state of the substance. The Chemical Inventory Database is used as the basis for all SARA reports, surveys, and hazard evaluation reports.

The Employee and IH Survey Database

The Employee and Industrial Hygiene survey database addresses the question of "WHO?" is potentially exposed to chemicals and at what levels of potential or measured exposure. Employees are assigned to work areas throughout your company in the same fashion that chemicals are assigned to work areas in the Chemical Inventory Database. Information on industrial hygiene sampling data can be recorded by person or by work area.

Reports, Labeling, and Surveys

Throughout the CHEM Master System, built-in reports are available to assist you in retrieving information about chemicals, their locations, Right-To-Know labeling, supplier notifications, industrial hygiene sampling, and Federal and state Right-To-Know surveys. Overall, CHEM Master includes over 55 built-in reports.

Auxiliary Functions

With CHEM Master's auxiliary functions, you can import master chemical and inventory data from other CHEM Master systems or from non-CHEM Master systems via the Common Data Interchange module. Multiple facilities may be established and chemical data can be tracked and reported in these facilities. Custom printer configurations may also be defined in the Auxiliary Functions module.

SARA Section 312 Tier One Survey

4 3 1 Input

Your SARA Section 312 Tier One Survey is generated directly from CHEM Master and uses the inventory information that you have entered. The list that is printed from your system can be sent directly to your Local Emergency Planning Committee, State Emergency Response Commission and your local fire department.

Tier One lists quantities and general locations of hazardous substances which you have in inventory and have been assigned one or more of the five SARA Hazard Classifications. Chemicals that are selected for reporting also fall into Extremely or Potentially Hazardous Substances categories with maximum annual quantities exceeding a specified reporting threshold.

In your CHEM Master, the current EPA Threshold Planning Quantities are the default values for reporting. You can change these at any time, but the default values will return. You can also evaluate your inventory quantities against your state and/or local reportable quantities, if applicable.

SARA Section 312 Tier Two Survey

4 4 Input

Your company's SARA Title III Section 312 Tier Two report can be run directly from CHEM Master. This form is required when a request is made by federal, state or local organizations. It is a more detailed report than your Tier One in that it displays explicit information about the locations of your hazardous materials, their specific identification and their individual SARA Hazard Classifications. This report will list your Extremely and Potentially Hazardous Substances that exceed the current EPA Threshold Planning Quantity.

In your CHEM Master, the current EPA Threshold Planning Quantities are the default values for reporting. You can change these at any time, but the default values will return. You can also evaluate your inventory quantities against your state and/or local reportable quantities, if applicable.

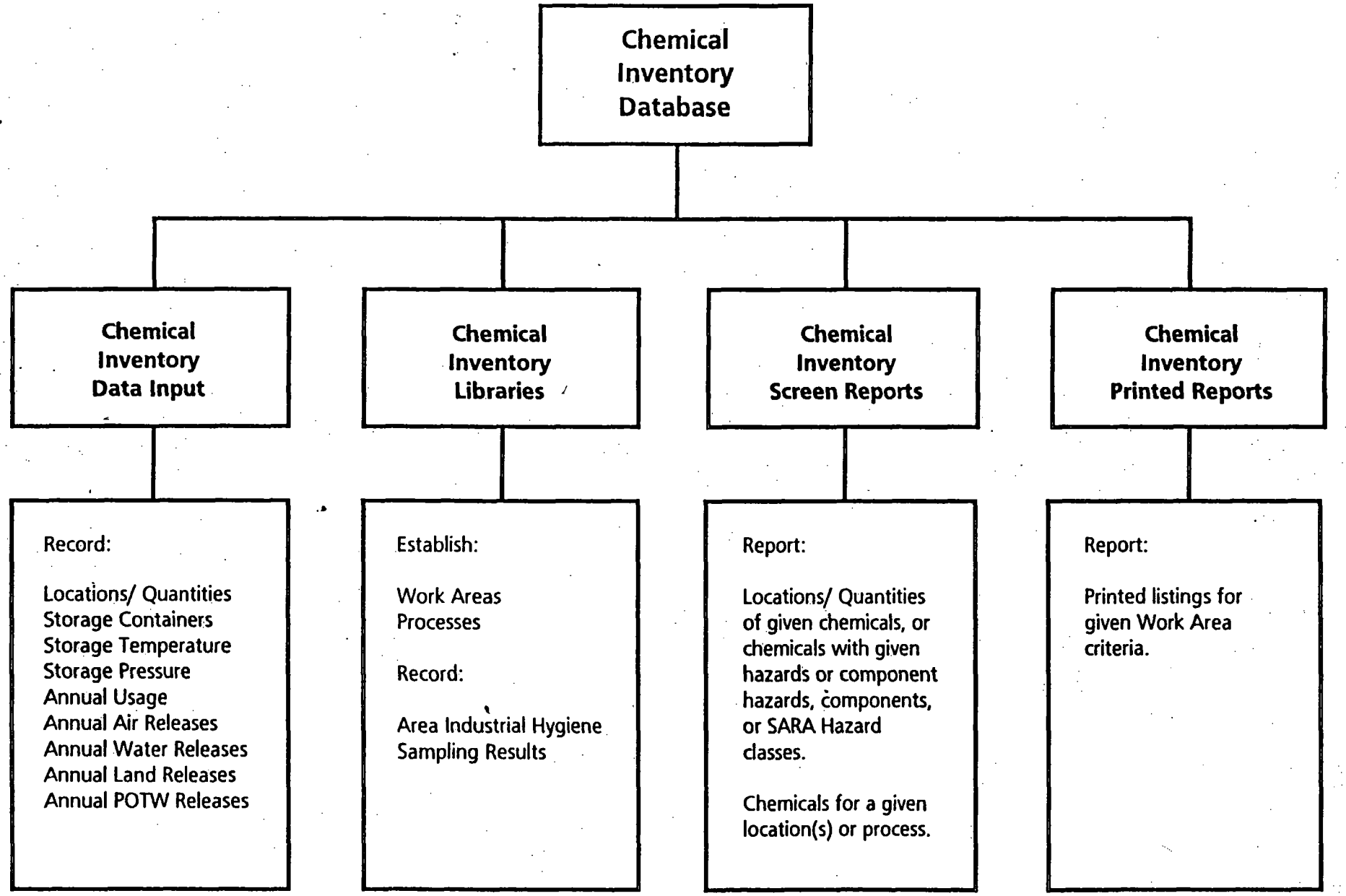
SARA Toxic Chemical Identification

4 5 Input

This form will help you identify those chemicals that will have to be reported on the SARA Section 313 Report. This report was designed only to identify those chemicals in a company's inventory which are on the EPA List of Toxic Chemicals, and are used or produced in quantities greater than the Section 313 reporting threshold. This will narrow the scope of chemicals for which your company maintains environmental release worksheets.

The Threshold Planning Quantities for both Process Usage and Otherwise Usage can be changed. Only those chemicals with collective quantities at or above the entered Quantity Threshold will be selected for this report.

QUANTITLES SET AT "0" IN ORDER TO REPORT TOTAL


Chemical Inventory Database
Chemical Inventory Data Input
Chemical Inventory Libraries
Chemical Inventory Screen Reports
Chemical Inventory Printed Reports
Record:
Locations/ Quantities
Storage Containers
Storage Temperature
Storage Pressure
Annual Usage
Annual Air Releases
Annual Water Releases
Annual Land Releases
Annual POTW Releases
Establish:
Work Areas
Processes
Record:
Area Industrial Hygiene Sampling Results
Report:
Locations/ Quantities of given chemicals, or chemicals with given hazards or component hazards, components, or SARA Hazard classes.
Chemicals for a given location(s) or process.
Report:
Printed listings for given Work Area criteria.

7 MSDS INKS

50-130

MATERIAL SAFETY DATA SHEET

FOR PRINTING INK AND RELATED MATERIALS

INFORMATION ON THIS FORM IS PROPRIETARY INFORMATION AND FURNISHED ELY FOR THE USE OF OUR CUSTOMERS

TE OF PREP. 4-7-86 PREPARED BY Kenneth R. Lachcik

HAZARD RATINGS 200-1

Minimal 0
Slight 1
Moderate 2
Serious 3
Severe 4

HEALTH	1
FLAMMABILITY	1
REACTIVITY	0

Section I

MANUFACTURER'S NAME: Acme Printing Ink Co.
STREET ADDRESS: 1419 W. Carroll Ave. CITY, STATE AND ZIP CODE: Chicago, Ill. 60607
EMERGENCY TELEPHONE NUMBER: (312) 421-0675
PRODUCT CLASS T.P. Metal Deco
TRADE NAME: Various (See attached list) MANUFACTURER'S CODE IDENTIFICATION: See attached list

Section II - HAZARDOUS INGREDIENTS

Ingredient:	Hazard Data:
Aliphatic Hydrocarbon (Petroleum) CAS No. 64742-46-7	Based on supplier information and in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.1 this product is slightly irritating to the skin and eyes. TLV (ACGIH) = 5mg./M^3 as oil mist PEL (OSHA) = 5mg./M^3 as oil mist Ingredient not listed by IARC, NTP, ~~or~~ OSHA as a known or suspect carcinogen.

Section III - PHYSICAL DATA

BOILING RANGE °F	VAPOR DENSITY: HEAVIER ☒ vs. air LIGHTER ☐	LIQUID DENSITY: HEAVIER ☐ vs. water LIGHTER ☒	TYPE OF ODOR
530-590			None
APPEARANCE	EVAPORATION RATE FASTER ☐ vs. Butyl Acetate SLOWER ☒	PERCENT VOLATILE WT. 5-30	
Colored Paste			

Acme HMIS™ INK CODE
H HEALTH 1
F FLAMMABILITY 1

Section IV - FIRE & EXPLOSION DATA

FLAMMABILITY CLASSIFICATION OSHA Class IIIB Combustible
DOT Exempt

FLASH POINT °F 265 LEL
(Method Used) PMCC

EXTINGUISHING MEDIA:

☒FOAM ☐"ALCOHOL" FOAM ☒CO2 ☒DRY CHEMICAL ☐WATER FOG

PERSONAL PROTECTION B

UNUSUAL FIRE AND EXPLOSION HAZARDS Carbon monoxide fumes and dense smoke may be generated while burning. Water or foam sprayed directly into open, burning containers may cause frothing. Closed containers may explode due to pressure build-up

SPECIAL FIREFIGHTING PROCEDURES Water can be used to cool closed containers. Wear

Section V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE ACUTE: Slightly irritating to eyes and skin upon direct contact. Overexposure to high vapor concentrations may irritate eyes, throat, and lungs. CHRONIC: Prolonged or repeated skin contact may result in dryness, reddening, and chapping (contact dermatitis). Prolonged absorption of lead compounds may cause nausea, vomiting, loss of appetite, anemia, and weakness of joints and muscles. PRE-EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: Skin allergies.

PRIMARY ROUTE(S) OF ENTRY: ☒DERMAL ☐INHALATION

EMERGENCY AND FIRST AID PROCEDURES EYES: Flush with water for at least 15 min. If irritation persists, get medical attention. SKIN: Remove contaminated clothing. Wash area throughly with soap and water. If redness or irritation occurs, get medical attention. INHALATION: If excessively inhaled, remove victim to fresh air and provide oxygen if needed. INGESTION: Do not induce vomiting. Get immediate medical attention.

Section VI - REACTIVITY DATA

PRODUCT STABILITY ☒STABLE ☐UNSTABLE

CONDITIONS TO AVOID May react with strong oxidizing agents.

Section VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED Absorb with inert materials such as dry clay or sand and shovel into closed container for proper disposal as waste ink. Wash area throughly. Wear protective clothing, if necessary.

WASTE DISPOSAL METHOD Incineration recommended. Dispose of in accordance with local, state, and federal regulations.

Section VIII - SPECIAL PROTECTION INFORMATION

VENTILATION General ventilation acceptable. If product is overheated, employees may need NIOSH approved respirators to prevent overexposure.

PROTECTIVE GLOVES None required unless presses are washed with solvents, or for prolonged or repeated contact with ink.

RESPIRATORY PROTECTION None needed if ventilation is adequate.

EYE PROTECTION Safety glasses or goggles and eye wash stations.

OTHER PROTECTIVE EQUIPMENT Protective clothing as needed when handling or adding solvent to ink.

Section IX - SPECIAL PRECAUTIONS

HANDLING AND STORING Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Wash hands thoroughly after handling and before eating, smoking, or using toilet facilities. Wash contaminated clothing before reuse.

OTHER PRECAUTIONS Avoid physical contact with eyes, prolonged or repeated cont with skin, and excessive inhalation of vapors.

THIS FORM IS SUPPLIED AS AN INDUSTRY SERVICE BY THE NATIONAL ASSOCIATION OF PRINTING INK MANUFACTURERS, INC.
(Information on this form is supplied by the individual ink manufacturer)

MATERIAL SAFETY DATA SHEET
FOR PRINTING INK AND RELATED MATERIALS

INFORMATION ON THIS FORM IS PROPRIETARY INFORMATION AND FURNISHED SOLELY FOR THE USE OF OUR CUSTOMERS

DATE OF PREP. 5/22/89 PREPARED BY Bob Allara

200-1/ 050

HAZARD RATINGS
Minimal 0
Slight 1
Moderate 2
Serious 3
Severe 4

HEALTH 1
FLAMMABILITY 1
REACTIVITY

Section I

MANUFACTURER'S NAME: Acme Printing Ink. Co.
STREET ADDRESS: 1419 W. Carroll Ave. CITY, STATE AND ZIP CODE: Chicago Il. 60607
EMERGENCY TELEPHONE NUMBER: (312) 421-0675
PRODUCT CLASS: Three-Piece (T.P.) Metal Deco
TRADE NAME: Various MANUFACTURER'S CODE IDENTIFICATION: See attached li

Section II - HAZARDOUS INGREDIENTS

Ingredient:	Hazard Data:
Aliphatic Hydrocarbon (Petroleum) CAS No. 64742-46-7	Based on supplier information and in accordance with the requirements of the OSHA Hazard Communication Standard (29 CFR 1910.12), this product is slightl irritating to the skin and eyes. TLV (ACGIH) = 5mg./M^3 as oil mist PEL (OSHA) = 5mg./M^3 as oil mist
The attached listing are regulated under SARA Title III Section 313 Chemicals.	Ingredient no listed by IARC, NTP, or OSHA as a known or suspect carcinogen.

OBSOLETE

Section III - PHYSICAL DATA

BOILING RANGE °F 530-590

VAPOR DENSITY: HEAVIER ☒ vs. air LIGHTER ☐

LIQUID DENSITY: HEAVIER ☐ vs. water LIGHTER ☒

TYPE OF ODOR NONE

APPEARANCE Colored Paste

EVAPORATION RATE FASTER ☐ vs. Butyl Acetate SLOWER ☒

PERCENT VOLATILE WT. 5-12

Section IV - FIRE & EXPLOSION DATA

FLAMMABILITY CLASSIFICATION OSHA Class IIIB Combustible DOT Exempt

FLASH POINT °F 265 (Method Used) PMCC

LEL 1.1

EXTINGUISHING MEDIA:

☒ FOAM ☐ "ALCOHOL" FOAM ☒ CO2 ☒ DRY CHEMICAL ☐ WATER FOG ☐ G

UNUSUAL FIRE AND EXPLOSION HAZARDS Carbon monoxide fumes and dense smoke may be gen erated while burning. Water or foam sprayed directly into open, burning co tainers may cause frothing. Closed containers may explode ue o pressure

ACME PRINTING INK CO.

M.S.D.S. ATTACHMENT SHEET FOR SARA TITLE III SECTION 313 CHEMICALS & CAS No.

THIS PRODUCT MAY CONTAIN ONE OR MORE OF THESE ITEMS LISTED BELOW (SEE ATTACHED LIST FOR PERCENTAGE)

ALL ITEMS BELOW ARE SUPPLIED IN COMPLIANCE WITH THE TSCA REPORTING REQUIREMENTS

BARIUM COMPOUND, RED PIGMENT, MONOAZO: BARIUM SALT of 2- NAPTHOL ACID CAS No. 7585-41-3 and CAS No. 5610-02-1 CAS No. 7440-39-3 as BARIUM	TLV= 0.5 mg./M³ as Ba PEL= 0.5 mg./M³ as Ba
COPPER COMPOUND, PHTHALO BLUE. COPPER PHTHALOCYANINE CAS No. 147-14-8 CAS No. 7440-50-8 as COPPER	TLV= 1 mg./M³ dust and mist as Cu
ALUMINUM OXIDE, Al_2O_3, CAS No. 1344-28-1	
COPPER COMPOUND, PHTHALO GREEN, POLYCHLORO COPPER PHTHALOCYANINE CAS No. 1328-53-6 and CAS No. 7440-50-8 as Cu	TLV= 1 mg./M³ dust and mist as Cu
MANAGANESE COMPOUND, RED PIGMENT, MONOAZO: MANGANESE SALT of 2-NAPHTOL ACID CAS No. 5280-66-0 and CAS No. 7439-96-5 as Mn	TLV (ACGIH) = 5 mg./M³ as Manganese
ALUMINUM (pigment), CAS No. 7429-90-5	TLV= 10 mg./M³
COPPER (pigment), CAS No. 7440-50-8 as Cu Zinc (pigment), CAS No. 7440-66-6 as Zn	TLV= 1 mg./M³ as Cu TLV=5 mg./M³ as Zn
BARIUM SULFATE $BaSO_4$, CAS No. 7727-43-7 CAS No. 7440-39-3 as BARIUM	PEL= 10mg/M³ TLV=10mg/M³ Total dust PEL= 5mg/M³ TLV= 5mg/M³ Respirable fraction
Diethylene Glycol Mono-n-Hexyl Ether Cas No. 112-59-4	TLV= NONE ESTABLISHED

MATERIAL SAFETY DATA SHEET

FOR PRINTING INK AND RELATED MATERIALS

•INFORMATION ON THIS FORM IS PROPRIETARY INFORMATION AND FURNISHED SOLELY FOR THE USE OF OUR CUSTOMERS

DATE OF PREP. 4-25-86 PREPARED BY Kenneth R. Lachcik

HAZARD RATINGS
Minimal 0
Slight 1
Moderate 2
Serious 3
Severe 4

200-2

HEALTH	2
FLAMMABILITY	1
REACTIVITY	0

Section I

MANUFACTURER'S NAME: Acme Printing Ink Co.

STREET ADDRESS: 1419 W. Carroll Ave. CITY, STATE AND ZIP CODE: Chicago, Ill. 60607

EMERGENCY TELEPHONE NUMBER: (312) 421-0675

PRODUCT CLASS: T.P. Metal Deco

TRADE NAME: Various (See attached list) MANUFACTURER'S CODE IDENTIFICATION: See attached list

Section II - HAZARDOUS INGREDIENTS

Ingredient:	Hazard Data:
Lead Chromate Pigment (Chrome Yellow)	Ingredient listed by IARC, NTP, & OSHA as a known carcinogen. TLV (ACGIH) = 0.05mg./M^3 TWA as Chromium PEL (OSHA) = 1mg./M^3 as Lead Chromate
Aliphatic Hydrocarbon (Petroleum) CAS No. 64742-46-7	Based on supplier information, this product may be slightly irritating to the skin and eyes. TLV (ACGIH) = 5mg./M^3 as oil mist PEL (OSHA) = 5mg./M^3 as oil mist Ingredient not listed by IARC, NTP, or OSHA as a known or suspect carcinogen.

Section III - PHYSICAL DATA

BOILING RANGE °F: 530-590

VAPOR DENSITY: HEAVIER ☒ vs. air LIGHTER ☐

LIQUID DENSITY: HEAVIER ☐ vs. water LIGHTER ☒

TYPE OF ODOR: None

APPEARANCE: Colored Paste

EVAPORATION RATE FASTER ☐ vs. Butyl Acetate SLOWER ☒

PERCENT VOLATILE WT. 5-30

ACME HMIS™ IN

Section IV - FIRE & EXPLOSION DATA

HEALTH F FLAMMABILITY

FLAMMABILITY CLASSIFICATION OSHA Class IIIB Combustible DOT Exempt

FLASH POINT °F 265 (Method Used) PMCC

LEL

EXTINGUISHING MEDIA:

☐FOAM ☐"ALCOHOL" FOAM ☒CO2 ☒DRY CHEMICAL ☐WATER FOG

PERSONAL PROTECTION

UNUSUAL FIRE AND EXPLOSION HAZARDS Carbon monoxide fumes and dense smoke may be generated while burning. Water or foam sprayed directly into open, burning containers may cause frothing. Closed containers may explode due t ssure

SPECIAL FIREFIGHTING PROCEDURES Water can be used to cool closed containers. Wear suitable eye protection. Self-contained breathing equipment recommended.

Section V - HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE ACUTE: Slightly irritating to eyes upon direct contact and overexposure to vapors. Slightly irritating to skin upon direct contact, may cause dermatitis. Not an inhalation hazard at ambient conditions but overexposure to high vapor concentrations may irritate throat and lungs.
CHRONIC: Prolonged or repeated skin contact may result in contact dermatitis, which is characterized by dryness, chapping, and reddening.
PRE-EXISTING CONDITIONS AGGRAVATED BY EXPOSURE: Skin allergies

PRIMARY ROUTE(S) OF ENTRY: ☒ DERMAL ☐ INHALATION

EMERGENCY AND FIRST AID PROCEDURES EYES: Flush with water for at least 15 min. If irritation persists, get medical attention. SKIN: Remove contaminated clothing. Wash area thoroghly with soap and water. If redness or irritation occurs, get medical attention. INHALATION: If excessively inhaled, remove victim to fresh air and provide oxygen if needed. If unconscious, get medical attention. INGESTION: Do not induce vomiting. Get immediate medical attention.

Section VI - REACTIVITY DATA

PRODUCT STABILITY ☒ STABLE ☐ UNSTABLE

CONDITIONS TO AVOID May react with strong oxidizing agents.

Section VII - SPILL OR LEAK PROCEDURES

PROCEDURE WHEN MATERIAL SPILLED OR RELEASED Absorb with inert materials, such as dry clay or sand, and shovel into closed container for proper disposal as waste ink. Wash area thoroughly. Wear protective clothing, if necessary.

WASTE DISPOSAL METHOD Incineration recommended. Dispose of in accordance with local, state, and federal regulations.

Section VIII - SPECIAL PROTECTION INFORMATION

VENTILATION General ventilation acceptable. If product is overheated, employees may need NIOSH approved respirators to prevent overexposure.

PROTECTIVE GLOVES None required unless presses are washed with solvents, or for prolonged or repeated contact with ink.

RESPIRATORY PROTECTION None needed if ventilation is adequate. **EYE PROTECTION** Safety glasses or goggles and eye wash stations.

OTHER PROTECTIVE EQUIPMENT Protective clothing as needed when handling or adding solvent to ink.

Section IX - SPECIAL PRECAUTIONS

HANDLING AND STORING Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures. Wash hands thoroughly after handling and before eating, smoking, or using toilet facilities. Wash contaminated work clothing before reuse.

OTHER PRECAUTIONS Avoid physical contact with eyes, prolonged or repeated contact with skin, and excessive inhalation of vapors.

THIS FORM IS SUPPLIED AS AN INDUSTRY SERVICE BY THE NATIONAL ASSOCIATION OF PRINTING INK MANUFACTURERS, INC.
(Information on this form is supplied by the individual ink manufacturer)

ACME PRINTING INK CO.

M.S.D.S. ATTACHMENT SHEET FOR SARA TITLE III SECTION 313 CHEMICALS & CAS No.

THIS PRODUCT MAY CONTAIN ONE OR MORE OF THESE ITEMS LISTED BELOW (SEE ATTACHED LIST FOR PERCENTAGE)

ALL ITEMS BELOW ARE SUPPLIED IN COMPLIANCE WITH THE TSCA REPORTING REQUIREMENTS

BARIUM COMPOUND, RED PIGMENT, MONOAZO: BARIUM SALT of 2- NAPTHOL ACID CAS No. 7585-41-3 and CAS No. 5610-02-1 CAS No. 7440-39-3 as BARIUM	TLV= 0.5 mg./M³ as Ba PEL= 0.5 mg./M³ as Ba
COPPER COMPOUND, PHTHALO BLUE. COPPER PHTHALOCYANINE CAS No. 147-14-8 CAS No. 7440-50-8 as COPPER	TLV= 1 mg./M³ dust and mist as Cu
ALUMINUM OXIDE, Al_2O_3, CAS No. 1344-28-1	
COPPER COMPOUND, PHTHALO GREEN, POLYCHLORO COPPER PHTHALOCYANINE CAS No. 1328-53-6 and CAS No. 7440-50-8 as Cu	TLV= 1 mg./M³ dust and mist as Cu
MANAGANESE COMPOUND, RED PIGMENT, MONOAZO: MANGANESE SALT of 2-NAPHTOL ACID CAS No. 5280-66-0 and CAS No. 7439-96-5 as Mn	TLV (ACGIH) = 5 mg./M³ as Manganese
ALUMINUM (pigment), CAS No. 7429-90-5	TLV= 10 mg./M³
COPPER (pigment), CAS No. 7440-50-8 as Cu Zinc (pigment), CAS No. 7440-66-6 as Zn	TLV= 1 mg./M³ as Cu TLV=5 mg./M³ as Zn
BARIUM SULFATE $BaSO_4$, CAS No. 7727-43-7 CAS No. 7440-39-3 as BARIUM	PEL= 10mg/M³ TLV=10mg/M³ Total dust PEL= 5mg/M³ TLV= 5mg/M³ Respirable fraction
Diethylene Glycol Mono-n-Hexyl Ether Cas No. 112-59-4	TLV= NONE ESTABLISHED

MATERIAL SAFETY DATA SHEET

DATE OF LAST CHANGE: 9/12/89

DATE PRINTED: 12/20/89

MSDS NO. 3401

Leaded

MANUFACTURER'S NAME:

K C COATINGS, INC.
15555 W. 108TH STREET
LENEXA KS 66219

EMERGENCY TELEPHONE NO. 913-384-3251
INFORMATION TELEPHONE NO. 913-492-2600

SECTION 1 -- PRODUCT INFORMATION

TRADE NAME: SYSTEM 2 GLOSS VINYL SCREEN INK

PRODUCT CLASS: GLOSS VINYL SCREEN INK

CD:S2L
- H M I S C O D E S -
HEALTH - 1*
FLAMMABILITY - 2
REACTIVITY - 0

PRODUCT GROUP:

PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL	PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL
S2-10	10.5	600	5.0	60	S2-11	10.3	580	4.8	60
S2-12	10.4	610	5.1	60	S2-13	9.9	580	4.8	60
S2-14	9.3	600	5.0	55	S2-18	9.9	560	4.7	60
S2-20	10.5	560	4.7	60		.0	0	.0	0
	.0	0	.0	0		.0	0	.0	0

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME; COMMON NAME; CAS NUMBER	PERCENT BY WEIGHT	OCCUPATIONAL EXPOSURE LIMITS TLV	PEL	VAPOR PRESSURE IN mmHg
* 2-PROPOXYETHANOL; PROPYL CELLOSOLVE; 2807-30-9	30	NOT ESTABLISHED	NOT ESTABLISHED	2.9 @ 25C
CYCLOHEXANONE; CYCLOHEXYL KETONE; 108-94-1	15	25PPM (Skin)	25PPM	2.0 @ 20C
* DIETHYLENE GLYCOL ETHYL ETHER ACETATE; 112-15-2	5	NOT ESTABLISHED	NOT ESTABLISHED	Negligible
* 2-BUTOXYETHANOL ACETATE; BUTYL CELLOSOLVE ACETATE; 112-07-2	5	NOT ESTABLISHED	NOT ESTABLISHED	0.26 @ 20C
n-BUTYL METHYL METHACRYLATE; ACRYLIC RESIN; NOT AVAILABLE	5-20	NOT ESTABLISHED	NOT ESTABLISHED	NA
ACETIC ACID ETHENYL ESTER; VINYL RESIN SOLUTION; 25086-48-0	5-20	NOT ESTABLISHED	NOT ESTABLISHED	NA
PIGMENTS:	0-30	10MG/M3 (AS DUST)	NOT ESTABLISHED	NA
* LEAD SULFATE; 7446-14-2	5-10	.150mg/m3 (as Pb)	.050mg/m3	NA
* LEAD CHROMATE; 7758-97-6	5	.050mg/m3 (as Cr)	.100mg/m3	NA
* LEAD MOLYBDATE; 10190-55-3	0- 5	10mg/m3 (as Mo)	15mg/m3	NA
* COPPER; 7440-50-8	0- 2	1MG/M3	1MG/M3	NA

* SUBJECT TO REPORTING REQUIREMENT OF SECTION 313 OF TITLE III OF SARA (40 CFR PART 372)

SECTION 3 -- PHYSICAL DATA

BOILING RANGE: >300 F
EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR
SEE SECTION 1 FOR VOC DATA.
SEE SECTION 1 FOR WEIGHT PER GAL. DATA

ACME PRINTING INK CO.

M.S.D.S. ATTACHMENT SHEET FOR SARA TITLE III SECTION 313 CHEMICALS & CAS No.

THIS PRODUCT MAY CONTAIN ONE OR MORE OF THESE ITEMS LISTED BELOW (SEE ATTACHED LIST FOR PERCENTAGE)

ALL ITEMS BELOW ARE SUPPLIED IN COMPLIANCE WITH THE TSCA REPORTING REQUIREMENTS

BARIUM COMPOUND, RED PIGMENT, MONOAZO: BARIUM SALT of 2- NAPTHOL ACID CAS No. 7585-41-3 and CAS No. 5610-02-1 CAS No. 7440-39-3 as BARIUM	TLV= 0.5 mg./M³ as Ba PEL= 0.5 mg./M³ as Ba
COPPER COMPOUND, PHTHALO BLUE. COPPER PHTHALOCYANINE CAS No. 147-14-8 CAS No. 7440-50-8 as COPPER	TLV= 1 mg./M³ dust and mist as Cu
ALUMINUM OXIDE, Al_2O_3, CAS No. 1344-28-1	
COPPER COMPOUND, PHTHALO GREEN, POLYCHLORO COPPER PHTHALOCYANINE CAS No. 1328-53-6 and CAS No. 7440-50-8 as Cu	TLV= 1 mg./M³ dust and mist as Cu
MANAGANESE COMPOUND, RED PIGMENT, MONOAZO: MANGANESE SALT of 2-NAPHTOL ACID CAS No. 5280-66-0 and CAS No. 7439-96-5 as Mn	TLV (ACGIH) = 5 mg./M³ as Manganese
ALUMINUM (pigment), CAS No. 7429-90-5	TLV= 10 mg./M³
COPPER (pigment), CAS No. 7440-50-8 as Cu Zinc (pigment), CAS No. 7440-66-6 as Zn	TLV= 1 mg./M³ as Cu TLV= 5 mg./M³ as Zn
BARIUM SULFATE $BaSO_4$, CAS No. 7727-43-7 CAS No. 7440-39-3 as BARIUM	PEL= 10mg/M³ TLV=10mg/M³ Total dust PEL= 5mg/M³ TLV= 5mg/M³ Respirable fraction
Diethylene Glycol Mono-n-Hexyl Ether Cas No. 112-59-4	TLV= NONE ESTABLISHED

D.S. ATTACHMENT SHEET % OF COMPOUND AND/OR METAL IN PRODUCT BELOW, (LIST OF SARA TITLE III SECTION 313 CHEMICALS) 200-2/
(If left blank, not in the product .)

Brainerd Industries

April 9, 1990

PRODUCT #'s	RED LAKE C CAS No. 5160-02-1	2B LITHOL BARIUM CAS No. 7585-41-3	MANGANESE SALT CAS No. 5280-66-0	BARIUM CAS No. 7440-39-3	PHTHALO BLUE CAS No. 147-14-8	PHTHALO GREEN CAS No. 1328-53-6	COPPER CAS No. 7440-50-8	ZINC CAS No. 7440-66-6	LEAD SULFOCHROMATE CAS No. 1344-37-2	ALUMINUM OXIDE CAS No. 1344-37-2	ALUMINUM CAS No. 7429-90-5	CADMIUM COMPOUND CAS No.	CADMIUM CAS No. 7440-43-9	FORMALDEHYDE CAS No. 50-00-0	COBALT COMPOUND CAS No.	COBALT CAS No.7440-48-4	MANGENESE COMPOUND CAS No.	MANGENESE CAS No. 7439-96-5	BARIUM SULFATE CAS No. 7727-43-7	Diethylene Glycol Mono-n-Hexyl Ether Cas No. 112-59-4
M-83598									58.0											

SECTION 4 -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
OSHA CLASSIFICATION: Class II Combustible Liquid; DOT CLASSIFICATION: Combustible Liquid

OTHER COMMENTS:
NFPA RATING: H-1 F-2 R-0

FLASH POINT:
116 F (PMCC)

LOWER EXPLOSIVE LEVEL:
0.5 % Vol. in Air

EXTINGUISHING MEDIA:
Foam- CO2- Dry Chemical- Water Spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:
Water may be ineffective but may be used to cool containers. The use of self-contained breathing apparatus is recommended for fire fighters.

SECTION 5 -- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Eye contact with the liquid, its vapors or mists may cause burning, tearing, redness and eye damage. Skin contact may cause irritation and allergic reaction. This material may be absorbed through the skin. Inhalation may cause respiratory tract irritation or nervous system disorders such as headaches, dizzines, and fatigue. Ingestion may cause gastrointestinal tract irritation and signs of nervous system depression. Repeated and prolonged overexposure by inhalation, skin absorption or ingestion may cause delayed damage to blood and kidneys. Repeated and prolonged overexposure to lead by ingestion may cause a metallic taste in the mouth, nausea, digestive disorders, abdominal cramps and insomnia as well as blood, nervous, urinary and reproductive disorders and birth defects. "Chromium and certain chromium compounds" is included in the NTP and IARC lists of carcinogens. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Cyclohexanone has caused liver and kidney damage in animal tests.

MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:
Persons with pre-existing skin or lung disorders may be more susceptible to the effects of this material.

PRIMARY ROUTE(S) OF ENTRY:
Dermal (Contact/Absorption) - Inhalation

EMERGENCY AND FIRST AID PROCEDURES:
SKIN CONTACT: Wash with soap and water, contact physician if irritation persists EYE CONTACT: Flush well with running water for a minimum of 15 minutes, contact physician if irritation persists. INHALATION: Remove to fresh air, restore breathing, contact physician. INGESTION: Contact physician or Poison Control Center immediately.

SECTION 6 -- REACITIVITY DATA

STABILITY:
Stable.

CONDITIONS TO AVOID:
Heat, sparks and open flame.

INCOMPATIBILITY (WITH MATERIALS):
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide, Carbon Dioxide and other noxious gases.

HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Contain release and remove with inert absorbent. Avoid contact. Use non-sparking tools to place material in appropriate container for disposal.

WASTE DISPOSAL METHOD:
Dispose of in accordance with with applicable local, county, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
If vapor concentration exceeds the TLV listed in Section II, use NIOSH approved respirator with organic chemical cartridge. Contact a reputable safety supply company for the appropriate respirator.

VENTILATION:
As required to keep the vapor concentration below the TLV listed in section II.

PROTECTIVE GLOVES:
Use neoprene, nitrile or other gloves resistant to solvents listed in Section II. Contact a reputable safety supply company for appropriate gloves.

EYE PROTECTION:
Use splash-proof goggles or safety glasses. Contact a reputable safety supply company for appropriate eye protection.

OTHER PROTECTION:
Solvent resistant aprons and availability of an eye wash are recommended. Smoke in designated areas only.

HYGIENIC PRACTICES:
Wash with soap and water before eating, smoking or using toilet facilities. Remove contaminated clothing to prevent prolonged skin contact.

SECTION 9 -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in closed containers in cool, dry, well ventilated area away from sources of ignition. Keep containers closed when not in use.

OTHER PRECAUTIONS:
Avoid prolonged or repeated overexposure to this product. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

SECTION 10 -- DISCLOSURE

DISCLOSURE INFORMATION:
The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind express or implied is made with respect to the information contained herein.

365

MATERIAL SAFETY DATA SHEET

DATE OF LAST CHANGE: 9/12/89

MSDS NO. 3400

DATE PRINTED:12/20/89

Non-Leaded

MANUFACTURER'S NAME:

K C COATINGS, INC.
15555 W. 108TH STREET
LENEXA KS 66219

EMERGENCY TELEPHONE NO. 913-384-3251
INFORMATION TELEPHONE NO. 913-492-2600

SECTION 1 -- PRODUCT INFORMATION

TRADE NAME: SYSTEM 2 GLOSS VINYL SCREEN INK

PRODUCT CLASS: GLOSS VINYL SCREEN INK

PRODUCT GROUP:

CD:S2
- H M I S C O D E S -
HEALTH - 1*
FLAMMABILITY - 2
REACTIVITY - 0

PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL	PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL
S2-48	9.9	680	5.7	70	S2-26	8.6	620	5.2	70
S2-27	8.6	640	5.3	70	S2-19	8.9	630	5.3	70
S2-21	9.3	620	5.2	70	S2-22	9.0	620	5.2	70
S2-24	8.7	640	5.3	70	S2-25	10.7	600	5.0	60
S2-50	11.8	570	4.8	60	S2-75	11.2	600	5.0	60
S2PB-10	8.6	650	5.4	70	S2PB-12	8.7	610	5.1	70
S2PB-13	8.8	630	5.3	70	S2PB-18	8.5	650	5.4	60
S2PB-20	8.7	550	4.6	60	S2PB-22	8.6	590	4.9	60
S2PB-28	8.6	560	4.7	60	S2PB-33	8.6	580	4.8	60
S2PB-60	8.6	560	4.7	60	S2-410	9.2	560	4.7	55
S2-411	8.7	590	4.9	60	S2-417	8.9	580	4.8	60
S2-418	9.1	580	4.8	60	S2-422	8.9	590	4.9	60
S2-HTY	8.9	680	5.7	69	S2-HTR	8.8	602	5.0	62
S2-HTB	8.8	694	5.8	72	S2-HTBK	8.8	586	4.9	60
S2-HTEX	8.7	722	6.0	75	S2-440	9.7	588	4.9	55

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME; COMMON NAME; CAS NUMBER	PERCENT BY WEIGHT	OCCUPATIONAL EXPOSURE LIMITS TLV	PEL	VAPOR PRESSURE IN mmHg
* 2-PROPOXYETHANOL; PROPYL CELLOSOLVE; 2807-30-9	25-35	NOT ESTABLISHED	NOT ESTABLISHED	2.9 @ 25C
CYCLOHEXANONE; CYCLOHEXYL KETONE; 108-94-1	10-20	25PPM (Skin)	25PPM	2.0 @ 20C
* DIETHYLENE GLYCOL ETHYL ETHER ACETATE; 112-15-2	5	NOT ESTABLISHED	NOT ESTABLISHED	Negligible
* 2-BUTOXYETHANOL ACETATE; BUTYL CELLOSOLVE ACETATE; 112-07-2	0- 5	NOT ESTABLISHED	NOT ESTABLISHED	0.26 @ 20C
ALIPHATIC DIBASIC ACID ESTERS; DIBASIC ESTER MIXTURE; CAS # NOT AVAILABLE	0-15	NOT ESTABLISHED	NOT ESTABLISHED	0.2 @ 20 C
n-BUTYL METHYL METHACRYLATE; ACRYLIC RESIN; NOT AVAILABLE	5-20	NOT ESTABLISHED	NOT ESTABLISHED	NA
ACETIC ACID ETHENYL ESTER; VINYL RESIN SOLUTION; 25086-48-0	5-20	NOT ESTABLISHED	NOT ESTABLISHED	NA
PIGMENTS:	0-30	10MG/M3 (AS DUST)	NOT ESTABLISHED	NA
* COPPER; 7440-50-8	0- 2	1MG/M3	1MG/M3	NA

* SUBJECT TO REPORTING REQUIREMENT OF SECTION 313 OF TITLE III OF SARA (40 CFR PART 372)

RECEIVED
APR 25 1990
BRAINERD INDUSTRIES

SECTION 3 -- PHYSICAL DATA

BOILING RANGE: >300 F
EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR
SEE SECTION 1 FOR VOC DATA.
SEE SECTION 1 FOR WEIGHT PER GAL. DATA

SECTION 4 -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
OSHA CLASSIFICATION: Class II Combustible Liquid; DOT CLASSIFICATION: Combustible Liquid

OTHER COMMENTS:
NFPA RATING: H-1 F-2 R-0

FLASH POINT:
116 F (PMCC)

LOWER EXPLOSIVE LEVEL:
0.5 % Vol. in Air

EXTINGUISHING MEDIA:
Foam- CO2- Dry Chemical- Water Spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:
Water may be ineffective but may be used to cool containers. The use of self-contained breathing apparatus is recommended for fire fighters.

SECTION 5 -- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Eye contact with the liquid, its vapors or mists may cause burning, tearing, redness and eye damage. Skin contact may cause irritation and allergic reaction. This material may be absorbed through the skin. Inhalation may cause respiratory tract irritation or nervous system disorders such as headaches, dizzines, and fatigue. Ingestion may cause gastrointestinal tract irritation and signs of nervous system depression. Repeated and prolonged overexposure by inhalation, skin absorption or ingestion may cause delayed damage to blood and kidneys. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal. Cyclohexanone has caused liver and kidney damage in animal tests.

MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:
Persons with pre-existing skin or lung disorders may be more susceptible to the effects of this material.

PRIMARY ROUTE(S) OF ENTRY:
Dermal (Contact/Absorption) - Inhalation

EMERGENCY AND FIRST AID PROCEDURES:
SKIN CONTACT: Wash with soap and water, contact physician if irritation persists EYE CONTACT: Flush well with running water for a minimum of 15 minutes, contact physician if irritation persists. INHALATION: Remove to fresh air, restore breathing, contact physician. INGESTION: Contact physician or Poison Control Center immediately.

SECTION 6 -- REACITIVITY DATA

STABILITY:
Stable.

CONDITIONS TO AVOID:
Heat, sparks and open flame.

INCOMPATIBILITY (WITH MATERIALS):
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide, Carbon Dioxide and other noxious gases.
HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Contain release and remove with inert absorbent. Avoid contact. Use non-sparking tools to place material in appropriate container for disposal.

WASTE DISPOSAL METHOD:
Dispose of in accordance with with applicable local, county, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
If vapor concentration exceeds the TLV listed in Section II, use NIOSH approved respirator with organic chemical cartridge. Contact a reputable safety supply company for the appropriate respirator.
VENTILATION:
As required to keep the vapor concentration below the TLV listed in section II.
PROTECTIVE GLOVES:
Use neoprene, nitrile or other gloves resistant to solvents listed in Section II. Contact a reputable safety supply company for appropriate gloves.
EYE PROTECTION:
Use splash-proof goggles or safety glasses. Contact a reputable safety supply company for appropriate eye protection.
OTHER PROTECTION:
Solvent resistant aprons and availability of an eye wash are recommended. Smoke in designated areas only.
HYGIENIC PRACTICES:
Wash with soap and water before eating, smoking or using toilet facilities. Remove contaminated clothing to prevent prolonged skin contact.

SECTION 9 -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in closed containers in cool, dry, well ventilated area away from sources of ignition. Keep containers closed when not in use.
OTHER PRECAUTIONS:
Avoid prolonged or repeated overexposure to this product. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

SECTION 10 -- DISCLOSURE

DISCLOSURE INFORMATION:
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MATERIAL SAFETY DATA SHEET

DATE OF LAST CHANGE:12/18/89

DATE PRINTED:12/19/89

MSDS NO. 3601

Leaded

MANUFACTURER'S NAME:

K C COATINGS, INC.
15555 W. 108TH STREET
LENEXA KS 66219

EMERGENCY TELEPHONE NO. 913-384-3251
INFORMATION TELEPHONE NO. 913-492-2600

SECTION 1 -- PRODUCT INFORMATION

TRADE NAME: B SERIES THERMO-SET ENAMEL SCREEN INK

PRODUCT CLASS: POLYESTER MELAMINE BAKING ENAMEL

PRODUCT GROUP:

CD:BL
- H M I S C O D E S -
HEALTH - 1*
FLAMMABILITY - 2
REACTIVITY - 0

PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL	PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL
B-10	12.6	430	3.6	50	B-11	12.3	430	3.6	50
B-12	12.6	430	3.6	50	B-13	11.3	430	3.6	50
B-14	12.6	430	3.6	50	B-18	11.2	430	3.6	50
B-19	11.9	440	3.7	50	B-20	13.5	430	3.6	50

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME; COMMON NAME; CAS NUMBER	PERCENT BY WEIGHT	OCCUPATIONAL EXPOSURE LIMITS TLV	PEL	VAPOR PRESSURE IN mmHg
ALKYD RESIN; CAS # NOT AVAILABLE;	30-75	NOT ESTABLISHED	NOT ESTABLISHED	<6 @ 20 C
PETROLEUM DISTILLATE; AROMATIC HYDROCARBON; SOLVENT 150; 64742-94-5	15-40	NOT ESTABLISHED	500PPM	<1 @ 20C
AMINO RESIN; CAS # NOT AVAILABLE;	5-15	NOT ESTABLISHED	NOT ESTABLISHED	0.03 @ 180 C
* BUTANOL; BUTYL ALCOHOL; 71-36-3 X	< 5	50PPM CEILING VALUE	50PPM CEILING VALUE	5.9 @ 20 C
EPOXIDIZED SOYBEAN OIL; CAS # NOT AVAILABLE	< 5	NOT ESTABLISHED	NOT ESTABLISHED	< 0.01 @ 20C
BARIUM SULFATE; CAS # 7727-43-7 X	0-10	10mg/m3 (AS DUST)	10mg/m3	NA
* DIETHYLENE GLYCOL GLYCOL ETHER 111-46-6 X	0- 5	NOT ESTABLISHED	NOT ESTABLISHED	NEGLIGIBLE
SILICONE DIOXIDE; AMORPHOUS (Fumed) SILICA; 7631-86-9 X	0- 5	10mg/m3 (AS DUST)	10mg/m3	NA
PIGMENTS:	5-35	10MG/M3 (AS DUST)	NOT ESTABLISHED	NA
* LEAD SULFATE; 7446-14-2 X	10-20	.150mg/m3 (as Pb)	.050mg/m3	NA
* LEAD CHROMATE; 7758-97-6	5-20	.050mg/m3 (as Cr)	.100mg/m3	NA

* SUBJECT TO REPORTING REQUIREMENT OF SECTION 313 OF TITLE III OF SARA (40 CFR PART 372)

SECTION 3 -- PHYSICAL DATA

BOILING RANGE: 240-410 F
EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR
SEE SECTION 1 FOR VOC DATA.
SEE SECTION 1 FOR WEIGHT PER GAL. DATA

SECTION 4 -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
OSHA CLASSIFICATION: Class II Combustible Liquid; DOT CLASSIFICATION:

Combustible Liquid

OTHER COMMENTS:
NFPA RATING: H-1 F-2 R-0

FLASH POINT:
115 F (PMCC)

LOWER EXPLOSIVE LEVEL:
0.8 % Vol. in Air

EXTINGUISHING MEDIA:
Foam- CO2- Dry Chemical- Water Spray.

UNUSUAL FIRE AND EXPLOSION HAZARDS:
Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.

SPECIAL FIREFIGHTING PROCEDURES:
Water may be ineffective but may be used to cool containers. The use of self-contained breathing apparatus is recommended for fire fighters.

SECTION 5 -- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Eye contact with the liquid, its vapors or mists may cause burning, tearing, and redness. Skin contact may cause irritation. This material may be absorbed through the skin. Inhalation may cause respiratory tract irritation or nervous system disorders such as headaches, dizzines, and fatigue. Ingestion may cause gastrointestinal tract irritation and signs of nervous system depression. Repeated and prolonged overexposure to lead by ingestion may cause a metallic taste in the mouth, nausea, digestive disorders, abdominal cramps and insomnia as well as blood, nervous, urinary and reproductive disorders and birth defects. "Chromium and certain chromium compounds" is included in the NTP and IARC lists of carcinogens. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.

MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:
Persons with pre-existing skin or lung disorders may be more susceptible to the effects of this material.

PRIMARY ROUTE(S) OF ENTRY:
Dermal (Contact/Absorption) - Inhalation

EMERGENCY AND FIRST AID PROCEDURES:
SKIN CONTACT: Wash with soap and water, contact physician if irritation persists EYE CONTACT: Flush well with running water for a minimum of 15 minutes, contact physician if irritation persists. INHALATION: Remove to fresh air, restore breathing, contact physician. INGESTION: Contact physician or Poison Control Center immediately.

SECTION 6 -- REACITIVITY DATA

STABILITY:
Stable.

CONDITIONS TO AVOID:
Heat, sparks and open flame.

INCOMPATIBILITY (WITH MATERIALS):
Strong oxidizing agents.

HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide, Carbon Dioxide and other noxious gases.

HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Contain release and remove with inert absorbent. Avoid contact. Use non-sparking tools to place material in appropriate container for disposal.

WASTE DISPOSAL METHOD:
Dispose of in accordance with with applicable local, county, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
If vapor concentration exceeds the TLV listed in Section II, use NIOSH approved respirator with organic chemical cartridge. Contact a reputable safety supply company for the appropriate respirator.

VENTILATION:
As required to keep the vapor concentration below the TLV listed in section II.

PROTECTIVE GLOVES:
Use neoprene, nitrile or other gloves resistant to solvents listed in Section II. Contact a reputable safety supply company for appropriate gloves.

EYE PROTECTION:
Use splash-proof goggles or safety glasses. Contact a reputable safety supply company for appropriate eye protection.

OTHER PROTECTION:
Solvent resistant aprons and availability of an eye wash are recommended. Smoke in designated areas only.

HYGIENIC PRACTICES:
Wash with soap and water before eating, smoking or using toilet facilities. Remove contaminated clothing to prevent prolonged skin contact.

SECTION 9 -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
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OTHER PRECAUTIONS:
Avoid prolonged or repeated overexposure to this product. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

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MATERIAL SAFETY DATA SHEET

DATE OF LAST CHANGE:12/18/89

DATE PRINTED:12/19/89

MSDS NO. 3600

Non-Leaded

MANUFACTURER'S NAME:

K C COATINGS, INC.
15555 W. 108TH STREET
LENEXA KS 66219

EMERGENCY TELEPHONE NO. 913-384-3251
INFORMATION TELEPHONE NO. 913-492-2600

SECTION 1 -- PRODUCT INFORMATION

TRADE NAME: B SERIES THERMO-SET ENAMEL SCREEN INK

PRODUCT CLASS: POLYESTER MELAMINE BAKING ENAMEL

CD:B
- H M I S C O D E S -
HEALTH - 1
FLAMMABILITY - 2
REACTIVITY - 0

PRODUCT GROUP:

PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL	PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL
B-27	8.5	420	3.5	50	B-48	9.6	530	4.4	60
B-440	9.8	440	3.7	50	B-16	11.7	430	3.6	50
B-21	10.5	430	3.6	50	B-22	9.9	430	3.6	50
B-24	9.5	450	3.8	50	B-25	13.0	390	3.3	40
B-75	13.8	370	3.1	40	BPB-10	8.6	530	4.4	60
BPB-12	8.7	460	3.8	50	BPB-13	8.7	460	3.8	50
BPB-18	8.7	470	3.9	50	BPB-20	8.7	460	3.8	50
BPB-22	8.7	460	3.8	50	BPB-28	8.6	470	3.9	50
BPB-33	8.6	440	3.7	50	BPB-60	8.8	440	3.7	50

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME; COMMON NAME; CAS NUMBER	PERCENT BY WEIGHT	OCCUPATIONAL EXPOSURE LIMITS TLV	PEL	VAPOR PRESSURE IN mmHg
ALKYD RESIN; CAS # NOT AVAILABLE;	30-75	NOT ESTABLISHED	NOT ESTABLISHED	<6 @ 20 C
PETROLEUM DISTILLATE; AROMATIC HYDROCARBON; SOLVENT 150; 64742-94-5	15-40	NOT ESTABLISHED	500PPM	<1 @ 20C 7.6 76.6
AMINO RESIN; CAS # NOT AVAILABLE;	5-15	NOT ESTABLISHED	NOT ESTABLISHED	0.03 @ 180 C
* BUTANOL; BUTYL ALCOHOL; 71-36-3 x	< 5	50PPM CEILING VALUE	50PPM CEILING VALUE	5.9 @ 20 C
EPOXIDIZED SOYBEAN OIL; CAS # NOT AVAILABLE	< 5	NOT ESTABLISHED	NOT ESTABLISHED	< 0.01 @ 20C
BARIUM SULFATE; CAS # 7727-43-7 x	0-10	10mg/m3 (AS DUST)	10mg/m3	NA
* DIETHYLENE GLYCOL GLYCOL ETHER 111-46-6	0- 1	NOT ESTABLISHED	NOT ESTABLISHED	NEGLIGIBLE
SILICONE DIOXIDE; AMORPHOUS (Fumed) SILICA; 7631-86-9 x	0- 5	10mg/m3 (AS DUST)	10mg/m3	NA
PIGMENTS:	5-50	10MG/M3 (AS DUST)	NOT ESTABLISHED	NA

* SUBJECT TO REPORTING REQUIREMENT OF SECTION 313 OF TITLE III OF SARA (40 CFR PART 372)

SECTION 3 -- PHYSICAL DATA

BOILING RANGE: 240-410 F
EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR
SEE SECTION 1 FOR VOC DATA.
SEE SECTION 1 FOR WEIGHT PER GAL. DATA

SECTION 4 -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
OSHA CLASSIFICATION: Class II Combustible Liquid; DOT CLASSIFICATION: Combustible Liquid

OTHER COMMENTS:
NFPA RATING: H-1 F-2 R-0
FLASH POINT:
115 F (PMCC)
LOWER EXPLOSIVE LEVEL:
0.8 % Vol. in Air
EXTINGUISHING MEDIA:
Foam- CO2- Dry Chemical- Water Spray.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.
SPECIAL FIREFIGHTING PROCEDURES:
Water may be ineffective but may be used to cool containers. The use of self-contained breathing apparatus is recommended for fire fighters.

SECTION 5 -- HEALTH HAZARD DATA

EFFECTS OF OVEREXPOSURE:
Eye contact with the liquid, its vapors or mists may cause burning, tearing, and redness. Skin contact may cause irritation. This material may be absorbed through the skin. Inhalation may cause respiratory tract irritation or nervous system disorders such as headaches, dizzines, and fatigue. Ingestion may cause gastrointestinal tract irritation and signs of nervous system depression. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:
Persons with pre-existing skin or lung disorders may be more susceptible to the effects of this material.
PRIMARY ROUTE(S) OF ENTRY:
Dermal (Contact/Absorption) - Inhalation
EMERGENCY AND FIRST AID PROCEDURES:
SKIN CONTACT: Wash with soap and water, contact physician if irritation persists EYE CONTACT: Flush well with running water for a minimum of 15 minutes, contact physician if irritation persists. INHALATION: Remove to fresh air, restore breathing, contact physician. INGESTION: Contact physician or Poison Control Center immediately.

SECTION 6 -- REACITIVITY DATA

STABILITY:
Stable.
CONDITIONS TO AVOID:
Heat, sparks and open flame.
INCOMPATIBILITY (WITH MATERIALS):
Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide, Carbon Dioxide and other noxious gases.
HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Contain release and remove with inert absorbent. Avoid contact. Use non-sparking tools to place material in appropriate container for disposal.

WASTE DISPOSAL METHOD:
Dispose of in accordance with with applicable local, county, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
If vapor concentration exceeds the TLV listed in Section II, use NIOSH approved respirator with organic chemical cartridge. Contact a reputable safety supply company for the appropriate respirator.

VENTILATION:
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Use neoprene, nitrile or other gloves resistant to solvents listed in Section II. Contact a reputable safety supply company for appropriate gloves.

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OTHER PROTECTION:
Solvent resistant aprons and availability of an eye wash are recommended. Smoke in designated areas only.

HYGIENIC PRACTICES:
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SECTION 9 -- SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:
Store in closed containers in cool, dry, well ventilated area away from sources of ignition. Keep containers closed when not in use.

OTHER PRECAUTIONS:
Avoid prolonged or repeated overexposure to this product. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

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MSDS NO. 3600

MANUFACTURER'S NAME:

K C COATINGS, INC.
15555 W. 108TH STREET
LENEXA KS 66219

EMERGENCY TELEPHONE NO. 913-384-3251
INFORMATION TELEPHONE NO. 913-492-2600

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PRODUCT CLASS: POLYESTER MELAMINE BAKING ENAMEL

PRODUCT GROUP:

CD:B

- H M I S C O D E S -
HEALTH - 1
FLAMMABILITY - 2
REACTIVITY - 0

PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL	PRODUCT	wt/gal lb	VOC g/l	VOC lb/gal	% VOC VOL
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B-24	9.5	450	3.8	50	B-25	13.0	390	3.3	40
B-75	13.8	370	3.1	40	BPB-10	8.6	530	4.4	60
BPB-12	8.7	460	3.8	50	BPB-13	8.7	460	3.8	50
BPB-18	8.7	470	3.9	50	BPB-20	8.7	460	3.8	50
BPB-22	8.7	460	3.8	50	BPB-28	8.6	470	3.9	50
BPB-33	8.6	440	3.7	50	BPB-60	8.8	440	3.7	50
B-411	9.4								

SECTION 2 -- HAZARDOUS INGREDIENTS

CHEMICAL NAME; COMMON NAME; CAS NUMBER	PERCENT BY WEIGHT	OCCUPATIONAL EXPOSURE LIMITS TLV	PEL	VAPOR PRESSURE IN mmHg
ALKYD RESIN; CAS # NOT AVAILABLE;	30-75	NOT ESTABLISHED	NOT ESTABLISHED	<6 @ 20 C
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* BUTANOL; BUTYL ALCOHOL; 71-36-3	< 5	50PPM CEILING VALUE	50PPM CEILING VALUE	5.9 @ 20 C
EPOXIDIZED SOYBEAN OIL; CAS # NOT AVAILABLE	< 5	NOT ESTABLISHED	NOT ESTABLISHED	< 0.01 @ 20C
BARIUM SULFATE; CAS # 7727-43-7	0-10	10mg/m3 (AS DUST)	10mg/m3	NA
* DIETHYLENE GLYCOL GLYCOL ETHER 111-46-6	0- 1	NOT ESTABLISHED	NOT ESTABLISHED	NEGLIGIBLE
SILICONE DIOXIDE; AMORPHOUS (Fumed) SILICA; 7631-86-9	0- 5	10mg/m3 (AS DUST)	10mg/m3	NA
PIGMENTS:	5-50	10MG/M3 (AS DUST)	NOT ESTABLISHED	NA

* SUBJECT TO REPORTING REQUIREMENT OF SECTION 313 OF TITLE III OF SARA (40 CFR PART 372)

SECTION 3 -- PHYSICAL DATA

BOILING RANGE: 240-410 F
EVAPORATION RATE: SLOWER THAN ETHER

VAPOR DENSITY: HEAVIER THAN AIR
SEE SECTION 1 FOR VOC DATA.
SEE SECTION 1 FOR WEIGHT PER GAL. DATA

SECTION 4 -- FIRE AND EXPLOSION HAZARD DATA

FLAMMABILITY CLASSIFICATION:
OSHA CLASSIFICATION: Class II Combustible Liquid; DOT CLASSIFICATION: Combustible Liquid

OTHER COMMENTS:
NFPA RATING: H-1 F-2 R-0
FLASH POINT:
115 F (PMCC)
LOWER EXPLOSIVE LEVEL:
0.8 % Vol. in Air
EXTINGUISHING MEDIA:
Foam- CO2- Dry Chemical- Water Spray.
UNUSUAL FIRE AND EXPLOSION HAZARDS:
Isolate from heat, electrical equipment, sparks, and open flame. Closed containers may explode when exposed to extreme heat.
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EFFECTS OF OVEREXPOSURE:
Eye contact with the liquid, its vapors or mists may cause burning, tearing, and redness. Skin contact may cause irritation. This material may be absorbed through the skin. Inhalation may cause respiratory tract irritation or nervous system disorders such as headaches, dizzines, and fatigue. Ingestion may cause gastrointestinal tract irritation and signs of nervous system depression. Reports have associated repeated and prolonged occupational overexposure to solvents with permanent brain and nervous system damage. Intentional misuse by deliberately concentrating and inhaling the contents may be harmful or fatal.
MEDICAL CONDITIONS PRONE TO AGGRAVATE BY EXPOSURE:
Persons with pre-existing skin or lung disorders may be more susceptible to the effects of this material.
PRIMARY ROUTE(S) OF ENTRY:
Dermal (Contact/Absorption) - Inhalation
EMERGENCY AND FIRST AID PROCEDURES:
SKIN CONTACT: Wash with soap and water, contact physician if irritation persists EYE CONTACT: Flush well with running water for a minimum of 15 minutes, contact physician if irritation persists. INHALATION: Remove to fresh air, restore breathing, contact physician. INGESTION: Contact physician or Poison Control Center immediately.

SECTION 6 -- REACITIVITY DATA

STABILITY:
Stable.
CONDITIONS TO AVOID:
Heat, sparks and open flame.
INCOMPATIBILITY (WITH MATERIALS):
Strong oxidizing agents.
HAZARDOUS DECOMPOSITION PRODUCTS:
Carbon Monoxide, Carbon Dioxide and other noxious gases.
HAZARDOUS POLYMERIZATION:
Will not occur.

SECTION 7 -- SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Remove all sources of ignition. Ventilate area. Avoid breathing vapors. Contain release and remove with inert absorbent. Avoid contact. Use non-sparking tools to place material in appropriate container for disposal.

WASTE DISPOSAL METHOD:
Dispose of in accordance with with applicable local, county, state, and federal regulations.

SECTION 8 -- SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION:
If vapor concentration exceeds the TLV listed in Section II, use NIOSH approved respirator with organic chemical cartridge. Contact a reputable safety supply company for the appropriate respirator.

VENTILATION:
As required to keep the vapor concentration below the TLV listed in section II.

PROTECTIVE GLOVES:
Use neoprene, nitrile or other gloves resistant to solvents listed in Section II. Contact a reputable safety supply company for appropriate gloves.

EYE PROTECTION:
Use splash-proof goggles or safety glasses. Contact a reputable safety supply company for appropriate eye protection.

OTHER PROTECTION:
Solvent resistant aprons and availability of an eye wash are recommended. Smoke in designated areas only.

HYGIENIC PRACTICES:
Wash with soap and water before eating, smoking or using toilet facilities. Remove contaminated clothing to prevent prolonged skin contact.

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OTHER PRECAUTIONS:
Avoid prolonged or repeated overexposure to this product. Empty containers should be disposed of in an environmentally safe manner in accordance with applicable regulations.

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8 PROFILES

CAS Number: Not Established Chemical Master Number: 10152
Chemical Type: Mixture
Density (gm/cc): 0.97590
Percent VOCs: 77.0000

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 094

HAZARD FLAG INFORMATION

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 150 ppm

VALIDATED MIXTURE COMPONENTS

Component: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
Start Date: 01/01/80 Component Percent: Unknown
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

VALIDATED MIXTURE COMPONENTS - Continued...

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 77.0000 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 3 - High
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10065
Chemical Type: Mixture
Density (gm/cc): 0.95180
Percent VOCs: 100.0000

SYNONYMS

MSDS 096

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHYL ACETATE
CAS Number: 112-07-2
Start Date: 01/01/80 Component Percent: 80.0000 %

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 20.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

CAS Number: Not Established
Chemical Master Number: 10143
Chemical Type: Mixture
Density (gm/cc): 0.93975
Percent VOCs: 100.0000

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 097

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: REP Reproductive Effector - may cause effects to the reproductive system, such as estrogenic or androgenic effects, disturbance of menstrual cycle or the ability to produce viable gametes.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

OSHA PEL-TWA: 50 ppm

VALIDATED MIXTURE COMPONENTS

Component: MSDS 401 * PETROLEUM DISTILLATE
CAS Number: Not Assigned
Start Date: 01/01/80 Component Percent: 30.0000 %

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 20.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

ponent: PETROLEUM DISTILLATE, 2
S Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 20.0000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: 2-BUTOXYETHYL ACETATE
CAS Number: 112-07-2
Start Date: 01/01/80 Component Percent: 30.0000 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10066
Chemical Type: Mixture
Density (gm/cc): 1.11780
Percent VOCs: 68.4143

SYNONYMS

MSDS 108

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: I3 IARC Group 3 Carcinogen - A Chemical, Industrial Process, or Occupational Exposure that cannot be classified as to its carcinogenicity in humans due to limited or inadequate human & animal data.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

ard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 10 ppm

VALIDATED MIXTURE COMPONENTS

ponent: CYCLOHEXANONE
S Number: 108-94-1
Start Date: 01/01/80 Component Percent: 26.1000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: CYCLOHEXANONE
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: G-BUTYROLACTONE
CAS Number: 96-48-0
Start Date: 01/01/80 Component Percent: 25.3000 %

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 9.9000 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

ꞩA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMNS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 1 - Slight

CAS Number: Not Established
Chemical Master Number: 10071
Chemical Type: Mixture
Density (gm/cc): 0.96580
Percent VOCs: 99.9598

SYNONYMS

MSDS 114

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

ard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: I3 IARC Group 3 Carcinogen - A Chemical, Industrial Process, or Occupational Exposure that cannot be classified as to its carcinogenicity in humans due to limited or inadequate human & animal data.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

ard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 10 ppm

VALIDATED MIXTURE COMPONENTS

ponent: CYCLOHEXANONE
s Number: 108-94-1
Start Date: 01/01/80 Component Percent: 50.0000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: CYCLOHEXANONE
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 25.0000 %

Component: G-BUTYROLACTONE
CAS Number: 96-48-0
Start Date: 01/01/80 Component Percent: 25.0000 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

HA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 1 - Slight

CAS Number: Not Established
Chemical Master Number: 10208
Chemical Type: Mixture
Density (gm/cc): 1.11680

SYNONYMS

MSDS 124

VALIDATED MIXTURE COMPONENTS

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 28.6000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: G-BUTYROLACTONE
CAS Number: 96-48-0
Start Date: 01/01/80 Component Percent: 27.9000 %

ıponent: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 11.3000 %

CAS Number: Not Established Chemical Master Number: 10209
DOT/UN Number: 1.0681
Chemical Type: Mixture

SYNONYMS

MSDS 129

VALIDATED MIXTURE COMPONENTS

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 28.2000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: G-BUTYROLACTONE
CAS Number: 96-48-0
Start Date: 01/01/80 Component Percent: 27.4000 %

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 11.1000 %

CAS Number: Not Established Chemical Master Number: 10035
Chemical Type: Mixture
Density (gm/cc): 1.20481
Percent VOCs: 12.0000

Inventory Defaults

Quantity Unit: (lb)

SYNONYMS

ALUMINUM, TP BASE 99504
BLACK, MYLAR C-12668
BLACK, TP NEUTRAL M-84375
BLUE, AGA 281231
BLUE, DIALITE 279212
BLUE, DIALITE M-83376
BLUE, REFLEX 276251
BLUE, RHEEM 153171
BLUE, R.S. M-78200
BLUE, TP MILORI 253
UE, TP OPAQUE REFLEX C-5226
E, TRANS. RHEEM M-83378
BRASS, LACQUER 152081
BRASS, LACQUER M-83458
BROWN, RED SIDE OP-113477
BROWN, TRANS. Y.S. 251651
COPPER, TR. YELLOW-SIDE M-83457
GOLD, 151273
GOLD, 297941
GOLD, 85/15
GRAY, FADE RESIST C-43538
GREEN, 241131
MSDS 050
ORANGE, MOLY DP-24117
PURPLE, START KING 31851
SIZE, FLAT 199429
VIOLET, TONER MD M-83379
WHITE, MD HI HEAT M-85056

HAZARD FLAG INFORMATION

Hazard Flag: EAR May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

ard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
rt Date: 01/01/80 Component Percent: 5.0000 % to 10.0000 %

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10036
Chemical Type: Mixture
Density (gm/cc): 1.20481
Percent VOCs: 12.0000

Inventory Defaults

Quantity Unit: (lb)

SYNONYMS

COPPER, YELLOW 150292
MSDS 051
ORANGE, MD MOLY M-83597
RED, 17611
RED, 8083
RED, BLUE SIDE 241181
RED, FADE RESIST C-43637
RED, FADE RESIST OP 50493
RED, MD TR. BULLDOG M-83595
RED, OPAQUE M-83348
), TP TANDEM MEDIUM 51988
), TR. YELLOW-SIDE M-83592
RED, YELLOW SIDE 241191
YELLOW, CHROME M-83377
YELLOW, FADE RESIST C-43636
YELLOW, OPAQ. LEMON M-83598
YELLOW, TRANS. 241631
YELLOW, TRANS. BASE M-83593

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: EPA EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.

Hazard Flag: I2B IARC Group 2B Carcinogen - A Chemical, Industrial Process, or Occupational Exposure with sufficient evidence for carcinogenicity in animals, but inadequate data in humans.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PNS Peripheral Nervous System Effects

Hazard Flag: REP Reproductive Effector - may cause effects to the reproductive system, such as estrogenic or androgenic effects, disturbance of menstrual cycle or the ability to produce viable gametes.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 5.0000 % to 10.0000 %

Component: LEAD
CAS Number: 7439-92-1
Start Date: 01/01/80 Component Percent: 58.0000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: LEAD
Exposure Limit: ACGIH: TLV-TWA 0.15 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: PEL-TWA 50 Ìg/m3

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10045
Chemical Type: Mixture
Density (gm/cc): 1.45180
Percent VOCs: 27.0000

SYNONYMS

MSDS 055

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

zard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

Hazard Flag: STH Stench Chemical

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: PETROLEUM DISTILLATE, 2
` Number: 64742-94-5
.rt Date: 01/01/80 Component Percent: 5.0000 %

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 22.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

:S Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

HAZARD LABEL - Continued...

CAS Number: Not Established
Chemical Master Number: 10048
Chemical Type: Mixture
Density (gm/cc): 1.36704
Percent VOCs: 5.0000

SYNONYMS

MSDS 062

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

ard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DER May cause Dermatitis (skin redness, dryness, scaling, etc.) from repeated or prolonged contact.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EHS Extremely Hazardous Substance - listed on the EPA Section 302 List of Extremely Hazardous Substances Apendix A & B of 40 CFR Part 355 for Emergency Planning and Notification (as of March 19, 1990).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: GAS Compressed Gas - a gas or mixture of gases having an absolute pressure exceeding 40 psi @ 70½F, or 104 psi @ 130½F; or a flammable liquid having a vapor pressure exceeding 40 psi @ 100½F.

Hazard Flag: I2A IARC Group 2A Carcinogen - A Chemical, Industrial Process or Occupational Exposure with limited evidence for carcinogenicity in humans, but sufficient evidence of carcinogenicity in animals.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: NTP Listed on the National Toxicology Program (NTP) Sixth Annual Report on Carcinogens, 1991.

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: POL Readily undergoes hazardous polymerization in the absense of inhibitors.

Hazard Flag: REP Reproductive Effector - may cause effects to the reproductive system, such as estrogenic or androgenic effects, disturbance of menstrual cycle or the ability to produce viable gametes.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: FORMALDEHYDE
CAS Number: 50-00-0
Start Date: 01/01/80 Component Percent: < 1.0000 %
Exposure Limit: ACGIH: TLV-STEL 2 ppm
ACGIH: TLV-TWA 1 ppm
OSHA: ACTION LEVEL 0.5 ppm
OSHA: PEL-STEL 2 ppm
OSHA: PEL-TWA 1 ppm

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 500

Emergency Response Guide Number: 29

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10049
Chemical Type: Mixture
Density (gm/cc): 1.36704
Percent VOCs: 5.0000

SYNONYMS

MSDS 063

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

zard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DER May cause Dermatitis (skin redness, dryness, scaling, etc.) from repeated or prolonged contact.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EHS Extremely Hazardous Substance - listed on the EPA Section 302 List of Extremely Hazardous Substances Apendix A & B of 40 CFR Part 355 for Emergency Planning and Notification (as of March 19, 1990).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: GAS Compressed Gas - a gas or mixture of gases having an absolute pressure exceeding 40 psi @ 70½F, or 104 psi @ 130½F; or a flammable liquid having a vapor pressure exceeding 40 psi @ 100½F.

Hazard Flag: I2A IARC Group 2A Carcinogen - A Chemical, Industrial Process or Occupational Exposure with limited evidence for carcinogenicity in humans, but sufficient evidence of carcinogenicity in animals.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: POL Readily undergoes hazardous polymerization in the absense of inhibitors.

Hazard Flag: REP Reproductive Effector - may cause effects to the reproductive system, such as estrogenic or androgenic effects, disturbance of menstrual cycle or the ability to produce viable gametes.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: FORMALDEHYDE
CAS Number: 50-00-0
Start Date: 01/01/80 Component Percent: < 1.0000 %
Exposure Limit: ACGIH: TLV-STEL 2 ppm
ACGIH: TLV-TWA 1 ppm
OSHA: ACTION LEVEL 0.5 ppm
OSHA: PEL-STEL 2 ppm
OSHA: PEL-TWA 1 ppm

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 500

Emergency Response Guide Number: 29

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10206
Chemical Type: Mixture
Density (gm/cc): 0.68237

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 5.1800 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
Start Date: 01/01/80 Component Percent: 5.1900 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: TOLUENE
CAS Number: 108-88-3
Start Date: 01/01/80 Component Percent: 8.1600 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-CEILING 300 ppm
OSHA: TRANSITIONAL PEL-PEAK 500 ppm
OSHA: TRANSITIONAL PEL-TWA 200 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 20.0000 % to 25.0000 %

Component: N-BUTYL ALCOHOL
CAS Number: 71-36-3
Start Date: 01/01/80 Component Percent: 6.1900 %
Exposure Limit: ACGIH: TLV-CEILING 50 ppm
OSHA: FINAL PEL-CEILING 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: ETHYL ALCOHOL
CAS Number: 64-17-5
Start Date: 01/01/80 Component Percent: 0.5000 % to 5.0000 %
Exposure Limit: ACGIH: TLV-TWA 1000 ppm
OSHA: FINAL PEL-TWA 1000 ppm

VALIDATED MIXTURE COMPONENTS - Continued...

Component: ALIPHATIC PETROLEUM DISTILLATE
CAS Number: 2807-30-9
Start Date: 01/01/80 Component Percent: 15.0000 % to 20.0000 %

CAS Number: Not Established Chemical Master Number: 10162
Chemical Type: Mixture
Molecular Weight: 0.22
Density (gm/cc): 1.14457
Percent VOCs: 19.9600

Inventory Defaults

Physical State: Liquid
Storage Code: D
Quantity Unit: (gal)

SYNONYMS

MSDS 073

HAZARD FLAG INFORMATION

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 200 ppm
OSHA PEL-TWA: 100 ppm

VALIDATED MIXTURE COMPONENTS

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 20.0000 %

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

HAZARD LABEL - Continued...

CAS Number: Not Established Chemical Master Number: 10162
Chemical Type: Mixture
Molecular Weight: 0.22
Density (gm/cc): 1.14457
Percent VOCs: 19.9600

Inventory Defaults

Physical State: Liquid
Storage Code: D
Quantity Unit: (gal)

SYNONYMS

MSDS 073

HAZARD FLAG INFORMATION

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 200 ppm
OSHA PEL-TWA: 100 ppm

VALIDATED MIXTURE COMPONENTS

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 20.0000 %

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

HAZARD LABEL - Continued...

CAS Number: Not Established
Chemical Master Number: 10160
Chemical Type: Mixture
Density (gm/cc): 1.24096
Percent VOCs: 48.0100

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 077

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: BPR Blood Pressure Effects - may cause effects which increase or decrease blood pressure.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: CVS Cardiovascular Effects - increases or decreases heart activity, or otherwise effects the cardio-vascular tissue and its function, such as fibrillation, constriction or dilation.

ɜard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: EAR May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: EPA EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PRF Peroxide Forming Material - a material which readily forms peroxides upon exposure to air or oxygen at room temperature and which is capable of violent reaction or explosion upon decomposition.

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 10 ppm
OSHA PEL-STEL: 75 ppm
OSHA PEL-TWA: 25 ppm

IDATED MIXTURE COMPONENTS

Component: ISOPHORONE
CAS Number: 78-59-1
Start Date: 01/01/80 Component Percent: 8.8500 %
Exposure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

Component: DIMETHYLFORMAMIDE
CAS Number: 68-12-2
Start Date: 01/01/80 Component Percent: 2.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 ppm
OSHA: FINAL PEL-TWA 10 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 29.2100 %

Component: HEXONE
CAS Number: 108-10-1
Start Date: 01/01/80 Component Percent: 7 7.3900 %
Exposure Limit: ACGIH: TLV-STEL 75 ppm
ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-STEL 75 ppm
OSHA: FINAL PEL-TWA 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 3 - High
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10159
Chemical Type: Mixture
Density (gm/cc): 1.16867
Percent VOCs: 60.9800

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 078

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: BPR Blood Pressure Effects - may cause effects which increase or decrease blood pressure.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: CVS Cardiovascular Effects - increases or decreases heart activity, or otherwise effects the cardio-vascular tissue and its function, such as fibrillation, constriction or dilation.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: EAR May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: EPA EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: I1 IARC Group 1 Carcinogen - A Chemical with sufficient evidence from epidemiological studies to support a causal association between the exposure and cancer in humans.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: PRF Peroxide Forming Material - a material which readily forms peroxides upon exposure to air or oxygen at room temperature and which is capable of violent reaction or explosion upon decomposition.

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 4 ppm
OSHA PEL-STEL: 25 ppm
OSHA PEL-TWA: 150 ppm

VALIDATED MIXTURE COMPONENTS

Component: LEAD CHROMATE(VI)
CAS Number: 7758-97-6
Start Date: 01/01/80 Component Percent: 10.5100 %
Exposure Limit: ACGIH: TLV-TWA 0.05 mg/m3
ACGIH: TLV-TWA 0.012 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: FINAL PEL-CEILING 0.1 mg/m3
OSHA: PEL-TWA 50 Ìg/m3

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 4 2.7600 %

mponent: XYLENE, MIXED ISOMERS
Number: 1330-20-7
art Date: 01/01/80 Component Percent: 1.4100 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: XYLENE, MIXED ISOMERS
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: ISOPHORONE
CAS Number: 78-59-1
Start Date: 01/01/80 Component Percent: 8.9800 %
Exposure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

Component: HEXONE
CAS Number: 108-10-1
Start Date: 01/01/80 Component Percent: 2.3000 %
Exposure Limit: ACGIH: TLV-STEL 75 ppm
ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-STEL 75 ppm
OSHA: FINAL PEL-TWA 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: DIMETHYLFORMAMIDE
CAS Number: 68-12-2
Start Date: 01/01/80 Component Percent: 3.8000 %
Exposure Limit: ACGIH: TLV-TWA 10 ppm
OSHA: FINAL PEL-TWA 10 ppm

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

S Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

HAZARD LABEL - Continued...

CAS Number: Not Established Chemical Master Number: 10157
Chemical Type: Mixture
Density (gm/cc): 0.93734
Percent VOCs: 93.0000

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 081

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

IH TLV-TWA: 25 ppm
A PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: Unknown
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

ARD LABEL

HAZARD LABEL - Continued...

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 3 - High
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10155
Chemical Type: Mixture
Density (gm/cc): 0.97590
Percent VOCs: 72.2000

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 083

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: CVS Cardiovascular Effects - increases or decreases heart activity, or otherwise effects the cardio-vascular tissue and its function, such as fibrillation, constriction or dilation.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: EAR May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

Hazard Flag: EPA EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PRF Peroxide Forming Material - a material which readily forms peroxides upon exposure to air or oxygen at room temperature and which is capable of violent reaction or explosion upon decomposition.

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 4 ppm
OSHA PEL-STEL: 75 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: ISOPHORONE
CAS Number: 78-59-1
ırt Date: 01/01/80 Component Percent: 24.7400 %
osure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 36.0500 %

Component: HEXONE
CAS Number: 108-10-1
Start Date: 01/01/80 Component Percent: 9.3100 %
Exposure Limit: ACGIH: TLV-STEL 75 ppm
ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-STEL 75 ppm
OSHA: FINAL PEL-TWA 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10154
Chemical Type: Mixture
Chemical Formula: 80
Density (gm/cc): 1.04457
Percent VOCs: 65.7100

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

HAZARD FLAG INFORMATION

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 100 ppm

VALIDATED MIXTURE COMPONENTS

Component: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 37.3000 %

Component: ISOPHORONE
CAS Number: 78-59-1
Start Date: 01/01/80 Component Percent: 18.3900 %
Exposure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

ponent: HEXONE
CAS Number: 108-10-1
Start Date: 01/01/80 Component Percent: 2.4700 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: HEXONE
Exposure Limit: ACGIH: TLV-STEL 75 ppm
ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-STEL 75 ppm
OSHA: FINAL PEL-TWA 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: DIMETHYLFORMAMIDE
CAS Number: 68-12-2
Start Date: 01/01/80 Component Percent: 4.0900 %
Exposure Limit: ACGIH: TLV-TWA 10 ppm
OSHA: FINAL PEL-TWA 10 ppm

NON-VALIDATED MIXTURE COMPONENTS

Component: 12656858
CAS Number: Not Assigned
Start Date: 01/01/92 Component Percent: 9.7700 %

IRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10080
Chemical Type: Mixture
Density (gm/cc): 1.13050
Percent VOCs: 100.0000

SYNONYMS

MSDS 131

HAZARD FLAG INFORMATION

Hazard Flag: CNS — Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: I3 — IARC Group 3 Carcinogen - A Chemical, Industrial Process, or Occupational Exposure that cannot be classified as to its carcinogenicity in humans due to limited or inadequate human & animal data.

ard Flag: IAR — Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: PHS — Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PUL — Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: STC — Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: G-BUTYROLACTONE
S Number: 96-48-0
rt Date: 01/01/80 Component Percent: 100.0000 %

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 1 - Slight

CAS Number: Not Established
Chemical Master Number: 10082
Chemical Type: Mixture
Density (gm/cc): 1.25700
Percent VOCs: 56.4500

SYNONYMS

MSDS 146

HAZARD FLAG INFORMATION

Hazard Flag: ACG — Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB — Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS — Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT — Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: I1 — IARC Group 1 Carcinogen - A Chemical with sufficient evidence from epidemiological studies to support a causal association between the exposure and cancer in humans.

Hazard Flag: IAR — Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: KID — Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV — Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: NTP Listed on the National Toxicology Program (NTP) Sixth Annual Report on Carcinogens, 1991.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

ard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 21.7000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 34.7000 %

ponent: LEAD CHROMATE(VI)
Number: 7758-97-6
art Date: 01/01/80 Component Percent: 4.0000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: LEAD CHROMATE(VI)
Exposure Limit: ACGIH: TLV-TWA 0.05 mg/m3
ACGIH: TLV-TWA 0.012 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: FINAL PEL-CEILING 0.1 mg/m3
OSHA: PEL-TWA 50 Ìg/m3

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 56.4500 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
onic Health Hazard
e Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10083
Chemical Type: Mixture
Density (gm/cc): 1.26351
Percent VOCs: 56.4500

SYNONYMS

MSDS 147

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

ard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: I1 IARC Group 1 Carcinogen - A Chemical with sufficient evidence from epidemiological studies to support a causal association between the exposure and cancer in humans.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: NTP Listed on the National Toxicology Program (NTP) Sixth Annual Report on Carcinogens, 1991.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

ard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-STEL: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 21.7000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 34.7000 %

ponent: LEAD CHROMATE(VI)
Number: 7758-97-6
art Date: 01/01/80 Component Percent: 4.0000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: LEAD CHROMATE(VI)
Exposure Limit: ACGIH: TLV-TWA 0.05 mg/m3
ACGIH: TLV-TWA 0.012 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: FINAL PEL-CEILING 0.1 mg/m3
OSHA: PEL-TWA 50 Ìg/m3

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 56.4500 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
·onic Health Hazard
.e Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10084
Chemical Type: Mixture
Density (gm/cc): 1.26351
Percent VOCs: 56.4500

SYNONYMS

MSDS 148

HAZARD FLAG INFORMATION

Hazard Flag: ACG — Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB — Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS — Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT — Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: I1 — IARC Group 1 Carcinogen - A Chemical with sufficient evidence from epidemiological studies to support a causal association between the exposure and cancer in humans.

Hazard Flag: IAR — Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: KID — Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV — Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: NTP Listed on the National Toxicology Program (NTP) Sixth Annual Report on Carcinogens, 1991.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

ard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 21.7000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 34.7000 %

Component: LEAD CHROMATE(VI)
CAS Number: 7758-97-6
Start Date: 01/01/80 Component Percent: 4.0000 %
Exposure Limit: ACGIH: TLV-TWA 0.05 mg/m3
ACGIH: TLV-TWA 0.012 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: FINAL PEL-CEILING 0.1 mg/m3
OSHA: PEL-TWA 50 Ìg/m3

VALIDATED MIXTURE COMPONENTS - Continued...

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 56.4500 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

TS Hazard Rating - Health: 2 - Moderate
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10211
Chemical Type: Mixture
Density (gm/cc): 1.25700

SYNONYMS

MSDS 150

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 25.4600 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: ISOPHORONE
CAS Number: 78-59-1
Start Date: 01/01/80 Component Percent: 3.6300 %
Exposure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

Component: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
Start Date: 01/01/80 Component Percent: 2.4600 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

CAS Number: Not Established Chemical Master Number: 10142
Chemical Type: Mixture
Density (gm/cc): 1.25700
Percent VOCs: 56.4500

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 149

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: I1 IARC Group 1 Carcinogen - A Chemical with sufficient evidence from epidemiological studies to support a causal association between the exposure and cancer in humans.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: NTP Listed on the National Toxicology Program (NTP) Sixth Annual Report on Carcinogens, 1991.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: REP Reproductive Effector - may cause effects to the reproductive system, such as estrogenic or androgenic effects, disturbance of menstrual cycle or the ability to produce viable gametes.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: SKN Skin / Cutaneous Effects - may cause effects to the dermal layer of the body, such as erythemia, rashes, defattening of skin, petechial hemorrhage, blisters, or changes in pigmentation.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

A TLV-TWA: 5 ppm
O PEL-TWA: 200 ppm

VALIDATED MIXTURE COMPONENTS

Component: 2-ETHOXYETHANOL
CAS Number: 110-80-5
Start Date: 01/01/80 Component Percent: 15.6000 %
Exposure Limit: ACGIH: TLV-TWA 5 ppm
OSHA: FINAL PEL
OSHA: TRANSITIONAL PEL-TWA 200 ppm

Component: LEAD CHROMATE(VI)
CAS Number: 7758-97-6
Start Date: 01/01/80 Component Percent: 18.5000 %
Exposure Limit: ACGIH: TLV-TWA 0.05 mg/m3
ACGIH: TLV-TWA 0.012 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: FINAL PEL-CEILING 0.1 mg/m3
OSHA: PEL-TWA 50 Ìg/m3

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 56.4500 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 1000

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10086
Chemical Type: Mixture
Density (gm/cc): 0.97000
Percent VOCs: 69.1700

SYNONYMS

MSDS 153

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 100 ppm

VALIDATED MIXTURE COMPONENTS

Component: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS Number: 107-98-2
Start Date: 01/01/80 Component Percent: 46.2100 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 0.5900 %

Component: DIPROPYLENE GLYCOL METHYL ETHER
CAS Number: 34590-94-8
Start Date: 01/01/80 Component Percent: 22.0800 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 69.1700 %

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10222
Chemical Type: Mixture
Density (gm/cc): 1.01900

SYNONYMS

MSDS 154

VALIDATED MIXTURE COMPONENTS

Component: DIPROPYLENE GLYCOL METHYL ETHER
CAS Number: 34590-94-8
Start Date: 01/01/80 Component Percent: Unknown
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS Number: 107-98-2
Start Date: 01/01/80 Component Percent: 29.7200 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: DIACETONE ALCOHOL
CAS Number: 123-42-2
Start Date: 01/01/80 Component Percent: 10.4300 %
Exposure Limit: ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 0.5900 %

CAS Number: Not Established Chemical Master Number: 10089
Chemical Type: Mixture
Density (gm/cc): 1.24642
Percent VOCs: 59.2400

SYNONYMS

MSDS 158

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: BPR Blood Pressure Effects - may cause effects which increase or decrease blood pressure.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 50 ppm

VAPORIZATED MIXTURE COMPONENTS

Component: DIPROPYLENE GLYCOL METHYL ETHER
CAS Number: 34590-94-8
Start Date: 01/01/91 Component Percent: 12.7900 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS Number: 107-98-2
Start Date: 01/01/91 Component Percent: 31.0200 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: DIACETONE ALCOHOL
CAS Number: 123-42-2
Start Date: 01/01/91 Component Percent: 10.7000 %
Exposure Limit: ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
S Date: 01/01/91 Component Percent: 0.5400 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/91 Component Percent: 59.2400 %

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10092
Chemical Type: Mixture
Density (gm/cc): 1.10724
Percent VOCs: 61.0400

SYNONYMS

MSDS 161

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: BPR Blood Pressure Effects - may cause effects which increase or decrease blood pressure.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 50 ppm
OSHA PEL-STEL: 50 ppm

V ATED MIXTURE COMPONENTS

Component: DIPROPYLENE GLYCOL METHYL ETHER
CAS Number: 34590-94-8
Start Date: 01/01/80 Component Percent: 16.1600 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS Number: 107-98-2
Start Date: 01/01/80 Component Percent: 29.2800 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: DIACETONE ALCOHOL
CAS Number: 123-42-2
Start Date: 01/01/80 Component Percent: 10.2700 %
Exposure Limit: ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 0.6700 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 61.0400 %

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10223
Chemical Type: Mixture
Density (gm/cc): 1.18200

SYNONYMS

MSDS 169

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 25.4600 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: ISOPHORONE
CAS Number: 78-59-1
Start Date: 01/01/80 Component Percent: 3.6300 %
Exposure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 5.0200 %

Component: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
Start Date: 01/01/80 Component Percent: 2.4600 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

CAS Number: Not Established
Chemical Master Number: 10096
Chemical Type: Mixture
Density (gm/cc): 0.81721
Percent VOCs: 84.3400

SYNONYMS

MSDS 171

HAZARD FLAG INFORMATION

Hazard Flag: ACG — Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CNS — Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

rd Flag: DOT — Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: FLM — Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: I3 — IARC Group 3 Carcinogen - A Chemical, Industrial Process, or Occupational Exposure that cannot be classified as to its carcinogenicity in humans due to limited or inadequate human & animal data.

Hazard Flag: IAR — Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: PHS — Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC — Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 400 ppm

VALIDATED MIXTURE COMPONENTS

Component: PROPYLENE
CAS Number: 115-07-1
Start Date: 01/01/80 Component Percent: 0.9400 %
Exposure Limit: ACGIH: TLV-TWA D

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 84.3400 %

Component: STODDARD SOLVENT
CAS Number: 8052-41-3
Start Date: 01/01/80 Component Percent: 78.9800 %
Exposure Limit: ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-TWA 500 ppm

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 22

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10097
Chemical Type: Mixture
Density (gm/cc): 0.26351
Percent VOCs: 56.4500

SYNONYMS

MSDS 173

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-STEL: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 15.6000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 23.9000 %

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 56.4500 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10098
Chemical Type: Mixture
Density (gm/cc): 0.97100
Percent VOCs: 100.0000

SYNONYMS

MSDS 174

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

ard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: REP Reproductive Effector - may cause effects to the reproductive system, such as estrogenic or androgenic effects, disturbance of menstrual cycle or the ability to produce viable gametes.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 100 ppm

VALIDATED MIXTURE COMPONENTS

ponent: 2-ETHOXYETHYL ACETATE
CAS Number: 111-15-9
Start Date: 01/01/80 Component Percent: 100.0000 %
Exposure Limit: ACGIH: TLV-TWA 5 ppm
OSHA: FINAL PEL
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 100.0000 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

ZARD LABEL

HAZARD LABEL - Continued...

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10053
Chemical Type: Mixture
Density (gm/cc): 0.89159
Percent VOCs: 100.0000

SYNONYMS

MSDS 179

HAZARD FLAG INFORMATION

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 100.0000 %

Component: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 100.0000 %

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10212
DOT/UN Number: 1.073
Chemical Type: Mixture

SYNONYMS

MSDS 183

VALIDATED MIXTURE COMPONENTS

Component: STODDARD SOLVENT
CAS Number: 8052-41-3
Start Date: 01/01/80 Component Percent: 23.4900 %
Exposure Limit: ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-TWA 500 ppm

CAS Number: Not Established Chemical Master Number: 10213
Chemical Type: Mixture
Density (gm/cc): 1.08670

SYNONYMS

MSDS 189

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 25.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 5.0000 % to 10.0000 %

CAS Number: Not Established
Chemical Master Number: 10161
Chemical Type: Mixture
Density (gm/cc): 1.03614
Percent VOCs: 58.3600

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 074

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DER May cause Dermatitis (skin redness, dryness, scaling, etc.) from repeated or prolonged contact.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EAR May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: EPA EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-STEL: 150 ppm
OSHA PEL-TWA: 50 ppm

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 5.3000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

onent: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
Start Date: 01/01/80 Component Percent: 2.7000 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: TOLUENE
CAS Number: 108-88-3
Start Date: 01/01/80 Component Percent: 6.8100 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-CEILING 300 ppm
OSHA: TRANSITIONAL PEL-PEAK 500 ppm
OSHA: TRANSITIONAL PEL-TWA 200 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 20.0000 %

Component: N-BUTYL ALCOHOL
Number: 71-36-3
Date: 01/01/80 Component Percent: 5.4000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: N-BUTYL ALCOHOL
Exposure Limit: ACGIH: TLV-CEILING 50 ppm
OSHA: FINAL PEL-CEILING 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: ETHYL ALCOHOL
CAS Number: 64-17-5
Start Date: 01/01/80 Component Percent: 5.0000 %
Exposure Limit: ACGIH: TLV-TWA 1000 ppm
OSHA: FINAL PEL-TWA 1000 ppm

Component: ALIPHATIC PETROLEUM DISTILLATE
CAS Number: 2807-30-9
Start Date: 01/01/80 Component Percent: 20.0000 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

[illegible] Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 3 - High
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10164
Chemical Type: Mixture
Density (gm/cc): 0.97590
Percent VOCs: 99.2000

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 069

HAZARD FLAG INFORMATION

Hazard Flag: ACG — Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

[illegible]rd Flag: CLA — Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB — Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS — Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT — Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EAR — May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

Hazard Flag: EIR — Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: FLM	Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.
Hazard Flag: KID	Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.
Hazard Flag: LIV	Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.
Hazard Flag: MMI	Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.
Hazard Flag: OSH	OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).
Hazard Flag: PHS	Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242
Hazard Flag: REP	Reproductive Effector - may cause effects to the reproductive system, such as estrogenic or androgenic effects, disturbance of menstrual cycle or the ability to produce viable gametes.
Hazard Flag: RIR	Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.
Hazard Flag: SIR	Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.
Hazard Flag: SKN	Skin / Cutaneous Effects - may cause effects to the dermal layer of the body, such as erythemia, rashes, defattening of skin, petechial hemorrhage, blisters, or changes in pigmentation.
Hazard Flag: STC	Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 5 ppm
OSHA PEL-TWA: 19 mg/m3

VALIDATED MIXTURE COMPONENTS

Component: N-BUTYL ALCOHOL
CAS Number: 71-36-3
Start Date: 01/01/80 Component Percent: 25.0000 % to 35.0000 %
Exposure Limit: ACGIH: TLV-CEILING 50 ppm
OSHA: FINAL PEL-CEILING 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: 2-ETHOXYETHANOL
CAS Number: 110-80-5
Start Date: 01/01/80 Component Percent: 50.0000 % to 75.0000 %
Exposure Limit: ACGIH: TLV-TWA 5 ppm
OSHA: FINAL PEL
OSHA: TRANSITIONAL PEL-TWA 200 ppm

RONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 3 - High
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10148
Chemical Type: Mixture
Density (gm/cc): 1.00361
Percent VOCs: 79.0000

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 227

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

H[illegible]rd Flag: BPR Blood Pressure Effects - may cause effects which increase or decrease blood pressure.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DER May cause Dermatitis (skin redness, dryness, scaling, etc.) from repeated or prolonged contact.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

.H TLV-TWA: 5 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: DIMETHYLFORMAMIDE
CAS Number: 68-12-2
Start Date: 01/01/80 Component Percent: 2.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 ppm
OSHA: FINAL PEL-TWA 10 ppm

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/91 Component Percent: 79.0000 %

Component: ISOPHORONE
CAS Number: 78-59-1
Start Date: 01/01/80 Component Percent: 20.5000 %
Exposure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10214
Chemical Type: Mixture
Density (gm/cc): 1.00000

SYNONYMS

MSDS 231

VALIDATED MIXTURE COMPONENTS

Component: N-BUTYL ALCOHOL
CAS Number: 71-36-3
Start Date: 01/01/80 Component Percent: 40.0000 %
Exposure Limit: ACGIH: TLV-CEILING 50 ppm
OSHA: FINAL PEL-CEILING 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: N,N,N-TRIETHYLAMINE
CAS Number: 121-44-8
Start Date: 01/01/80 Component Percent: < 1.0000 %
Exposure Limit: ACGIH: TLV-STEL 15 ppm
ACGIH: TLV-TWA 10 ppm
OSHA: FINAL PEL-STEL 15 ppm
OSHA: FINAL PEL-TWA 10 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

CAS Number: Not Established
Chemical Master Number: 10168
Chemical Type: Mixture
Density (gm/cc): 1.57000

Inventory Defaults

Physical State: Liquid
Storage Code: D
Quantity Unit: (gal)

SYNONYMS

MSDS 242

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

.rd Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: CVS Cardiovascular Effects - increases or decreases heart activity, or otherwise effects the cardio-vascular tissue and its function, such as fibrillation, constriction or dilation.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

,SURE LIMITS

ACGIH TLV-TWA: 1000 ppm

EXPOSURE LIMITS - Continued...

OSHA PEL-STEL: 1250 ppm
OSHA PEL-TWA: 1000 ppm

VALIDATED MIXTURE COMPONENTS

Component: 1,1,2-TRICHLOROTRIFLUOROETHANE
CAS Number: 76-13-1
Start Date: 01/01/80 Component Percent: 98.0000 %
Exposure Limit: ACGIH: TLV-STEL 1250 ppm
ACGIH: TLV-TWA 1000 ppm
OSHA: FINAL PEL-STEL 1250 ppm
OSHA: FINAL PEL-TWA 1000 ppm

Component: METHYLENE CHLORIDE
CAS Number: 75-09-2
Start Date: 01/01/80 Component Percent: > 1.0000 %
Exposure Limit: ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL
OSHA: TRANSITIONAL PEL-CEILING 1,000 ppm
OSHA: TRANSITIONAL PEL-PEAK 2,000 ppm
OSHA: TRANSITIONAL PEL-TWA 500 ppm

Component: METHANOL
CAS Number: 67-56-1
Start Date: 01/01/80 Component Percent: > 1.0000 %
Exposure Limit: ACGIH: TLV-STEL 250 ppm
ACGIH: TLV-TWA 200 ppm
OSHA: FINAL PEL-STEL 250 ppm
OSHA: FINAL PEL-TWA 200 ppm
OSHA: TRANSITIONAL PEL-TWA 200 ppm

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 1 - Slight
Reactivity: 0 - Negligible

HAZARD LABEL - Continued...

CAS Number: Not Established Chemical Master Number: 10215
Chemical Type: Mixture
Density (gm/cc): 0.95580

SYNONYMS

MSDS 278

VALIDATED MIXTURE COMPONENTS

Component: ACETATE ACID ETHENYL ESTER
CAS Number: 9002-22-9
Start Date: 01/01/80 Component Percent: 50.0000 %

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 50.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

CAS Number: Not Established
Chemical Master Number: 10146
Chemical Type: Mixture
Density (gm/cc): 0.95180
Percent VOCs: 87.2800

Inventory Defaults

Physical State: Liquid
Storage Code: D
Quantity Unit: (gal)

SYNONYMS

MSDS 284

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: BPR Blood Pressure Effects - may cause effects which increase or decrease blood pressure.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CVS Cardiovascular Effects - increases or decreases heart activity, or otherwise effects the cardio-vascular tissue and its function, such as fibrillation, constriction or dilation.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EAR May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: EIR	Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.
Hazard Flag: EPA	EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.
Hazard Flag: FLM	Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.
Hazard Flag: KID	Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.
Hazard Flag: LIV	Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.
Hazard Flag: MMI	Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.
Hazard Flag: OSH	OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).
Hazard Flag: PHS	Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242
Hazard Flag: PRF	Peroxide Forming Material - a material which readily forms peroxides upon exposure to air or oxygen at room temperature and which is capable of violent reaction or explosion upon decomposition.
Hazard Flag: PUL	Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.
Hazard Flag: RIR	Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 5 ppm
OSHA PEL-STEL: 75 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: ISOPHORONE
CAS Number: 78-59-1
Start Date: 01/01/80 Component Percent: 15.0000 %
Exposure Limit: ACGIH: TLV-CEILING 5 ppm
OSHA: FINAL PEL-TWA 4 ppm
OSHA: TRANSITIONAL PEL-TWA 25 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 75.0000 %

Component: DIACETONE ALCOHOL
CAS Number: 123-42-2
Start Date: 01/01/80 Component Percent: 5.0000 %
Exposure Limit: ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-TWA 50 ppm

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 1.7800 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: HEXONE
CAS Number: 108-10-1
Start Date: 01/01/80 Component Percent: 1.3700 %
Exposure Limit: ACGIH: TLV-STEL 75 ppm
ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-STEL 75 ppm

VALIDATED MIXTURE COMPONENTS - Continued...

Component: HEXONE
Exposure Limit: OSHA: FINAL PEL-TWA 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 82.7200 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

ARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 3 - High
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10055
Chemical Type: Mixture
Density (gm/cc): 0.96385
Percent VOCs: 100.0000

SYNONYMS

MSDS 290

HAZARD FLAG INFORMATION

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 500 ppm
OSHA PEL-TWA: 500 ppm

VALIDATED MIXTURE COMPONENTS

Component: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 97.0000 %

Component: PINE OIL
CAS Number: 8002-09-3
Start Date: 01/01/80 Component Percent: 3.0000 %

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 100.0000 %

HAZARD LABEL

Hazard Rating - Health: 1 - Slight
Fire: 3 - High
Reactivity: 0 - Negligible

HAZARD LABEL - Continued...

CAS Number: Not Established Chemical Master Number: 10056
Chemical Type: Mixture
Density (gm/cc): 0.90361
Percent VOCs: 100.0000

SYNONYMS

MSDS 293

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

onent: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 65.0000 %

Component: PINE OIL
CAS Number: 8002-09-3
Start Date: 01/01/80 Component Percent: 5.0000 %

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 30.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 100.0000 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10057
Chemical Type: Mixture
Density (gm/cc): 0.90481
Percent VOCs: 100.0000

Inventory Defaults

Quantity Unit: (lb)

SYNONYMS

MSDS 294

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 100.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 100.0000 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10216
Chemical Type: Mixture
Density (gm/cc): 0.87349

SYNONYMS

MSDS 300

VALIDATED MIXTURE COMPONENTS

Component: TOLUENE
CAS Number: 108-88-3
Start Date: 01/01/80 Component Percent: 20.0000 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-CEILING 300 ppm
OSHA: TRANSITIONAL PEL-PEAK 500 ppm
OSHA: TRANSITIONAL PEL-TWA 200 ppm

Component: ISOPROPYL ACETATE
CAS Number: 108-21-4
Start Date: 01/01/80 Component Percent: 35.0000 %
Exposure Limit: ACGIH: TLV-STEL 310 ppm
ACGIH: TLV-TWA 250 ppm
OSHA: FINAL PEL-STEL 310 ppm
OSHA: FINAL PEL-TWA 250 ppm

Component: BUTYL ACETATE
CAS Number: 123-86-4
Start Date: 01/01/80 Component Percent: 45.0000 %
Exposure Limit: ACGIH: TLV-STEL 200 ppm
ACGIH: TLV-TWA 150 ppm
OSHA: FINAL PEL-STEL 200 ppm
OSHA: FINAL PEL-TWA 150 ppm

CAS Number: Not Established
Chemical Master Number: 10217
Chemical Type: Mixture
Density (gm/cc): 1.15301

SYNONYMS

MSDS 301

VALIDATED MIXTURE COMPONENTS

Component: GLYCOL ETHER PM ACETATE
CAS Number: 108-65-6
Start Date: 01/01/80 Component Percent: 40.0000 %

CAS Number: Not Established Chemical Master Number: 10218
Chemical Type: Mixture
Density (gm/cc): 0.87349

SYNONYMS

MSDS 302

VALIDATED MIXTURE COMPONENTS

Component: TOLUENE
CAS Number: 108-88-3
Start Date: 01/01/80 Component Percent: 20.0000 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-CEILING 300 ppm
OSHA: TRANSITIONAL PEL-PEAK 500 ppm
OSHA: TRANSITIONAL PEL-TWA 200 ppm

Component: ISOPROPYL ACETATE
CAS Number: 108-21-4
Start Date: 01/01/80 Component Percent: 35.0000 %
Exposure Limit: ACGIH: TLV-STEL 310 ppm
ACGIH: TLV-TWA 250 ppm
OSHA: FINAL PEL-STEL 310 ppm
OSHA: FINAL PEL-TWA 250 ppm

Component: BUTYL ACETATE
CAS Number: 123-86-4
Start Date: 01/01/80 Component Percent: 45.0000 %
Exposure Limit: ACGIH: TLV-STEL 200 ppm
ACGIH: TLV-TWA 150 ppm
OSHA: FINAL PEL-STEL 200 ppm
OSHA: FINAL PEL-TWA 150 ppm

CAS Number: Not Established Chemical Master Number: 10219
Chemical Type: Mixture
Density (gm/cc): 1.32530

SYNONYMS

MSDS 303

VALIDATED MIXTURE COMPONENTS

Component: TOLUENE
CAS Number: 108-88-3
Start Date: 01/01/80 Component Percent: 5.0000 % to 10.0000 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-CEILING 300 ppm
OSHA: TRANSITIONAL PEL-PEAK 500 ppm
OSHA: TRANSITIONAL PEL-TWA 200 ppm

Component: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
Start Date: 01/01/80 Component Percent: < 5.0000 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: METHYL ETHYL KETONE
CAS Number: 78-93-3
Start Date: 01/01/80 Component Percent: 5.0000 % to 25.0000 %
Exposure Limit: ACGIH: TLV-STEL 300 ppm
ACGIH: TLV-TWA 200 ppm
OSHA: FINAL PEL-STEL 300 ppm
OSHA: FINAL PEL-TWA 200 ppm

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 10.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: ISOPROPYL ACETATE
CAS Number: 108-21-4
Start Date: 01/01/80 Component Percent: 7.5000 %
Exposure Limit: ACGIH: TLV-STEL 310 ppm

VALIDATED MIXTURE COMPONENTS - Continued...

Component: ISOPROPYL ACETATE
Exposure Limit: ACGIH: TLV-TWA 250 ppm
OSHA: FINAL PEL-STEL 310 ppm
OSHA: FINAL PEL-TWA 250 ppm

Component: BUTYL ACETATE
CAS Number: 123-86-4
Start Date: 01/01/80 Component Percent: 15.0000 %
Exposure Limit: ACGIH: TLV-STEL 200 ppm
ACGIH: TLV-TWA 150 ppm
OSHA: FINAL PEL-STEL 200 ppm
OSHA: FINAL PEL-TWA 150 ppm

Component: TITANIUM DIOXIDE
CAS Number: 13463-67-7
Start Date: 01/01/80 Component Percent: 15.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 mg/m3
OSHA: FINAL PEL-TWA 5 mg/m3
OSHA: FINAL PEL-TWA 10 mg/m3
OSHA: TRANSITIONAL PEL-TWA 15 mg/m3

CAS Number: Not Established Chemical Master Number: 10167
Chemical Type: Mixture
Density (gm/cc): 0.78604

Inventory Defaults

Physical State: Liquid
Storage Code: D
Quantity Unit: (gal)

SYNONYMS

MSDS 324

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: EPA EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: I1 IARC Group 1 Carcinogen - A Chemical with sufficient evidence from epidemiological studies to support a causal association between the exposure and cancer in humans.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: NES Regulated under the National Emissions Standards for Hazardous Air Pollutants (NESHAPS) requirements of the Clean Air Act (as of February 27, 1990).

Hazard Flag: ORC OSHA Regulated Carcinogen - regulated as an OSHA confirmed carcinogen in OSHA regulations 29 CFR 1910.1001 through 1910.1048.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SHK Shock Sensitive - may explode or react vigorously with friction, shock or by other mechanical means without addition of heat.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 100 ppm
OSHA PEL-TWA: 100 ppm

VALIDATED MIXTURE COMPONENTS

Component: STODDARD SOLVENT
CAS Number: 8052-41-3
Start Date: 01/01/91 Component Percent: 99.0000 %
Exposure Limit: ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-TWA 500 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/91 Component Percent: 10.0000 %

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/91 Component Percent: 100.0000 %

Component: BENZENE
CAS Number: 71-43-2
Start Date: 01/01/91 Component Percent: > 1.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 ppm
OSHA: FINAL PEL-CEILING 25 ppm
OSHA: FINAL PEL-PEAK 50 ppm
OSHA: FINAL PEL-TWA 10 ppm

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard
Sudden Release of Pressure Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established Chemical Master Number: 10224
Chemical Type: Mixture
Density (gm/cc): 1.06024

SYNONYMS

MSDS 342

VALIDATED MIXTURE COMPONENTS

Component: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS Number: 107-98-2
Start Date: 01/01/80 Component Percent: 0.5000 % to 5.0000 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: TOLUENE
CAS Number: 108-88-3
Start Date: 01/01/80 Component Percent: 31.9400 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm
OSHA: TRANSITIONAL PEL-CEILING 300 ppm
OSHA: TRANSITIONAL PEL-PEAK 500 ppm
OSHA: TRANSITIONAL PEL-TWA 200 ppm

Component: XYLENE, MIXED ISOMERS
CAS Number: 1330-20-7
Start Date: 01/01/80 Component Percent: 12.8400 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: 2-BUTOXYETHANOL
CAS Number: 111-76-2
Start Date: 01/01/80 Component Percent: 3.1300 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

CAS Number: Not Established
Chemical Master Number: 10115
Chemical Type: Mixture
Density (gm/cc): 1.22891
Percent VOCs: 60.0000

SYNONYMS

S2-20 BRILLIANT ORANGE
S2-441 GREEN
S2-11 LEMON YELLOW
S2-14 MEDIUM GREEN
S2-12 MEDIUM YELLOW
MSDS 362
S2-10 PRIMROSE YELLOW
S2-20 TRANSPARENT ORANGE

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: MSDS 401 * PETROLEUM DISTILLATE
CAS Number: Not Assigned
Start Date: 01/01/80 Component Percent: 30.0000 %

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 15.0000 %

VALIDATED MIXTURE COMPONENTS - Continued...

Component: CYCLOHEXANONE
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: DIETHYLENE GLYCOL ETHYL ETHER ACETATE
CAS Number: 112-15-2
Start Date: 01/01/80 Component Percent: 5.0000 %

Component: 2-BUTOXYETHYL ACETATE
CAS Number: 112-07-2
Start Date: 01/01/80 Component Percent: 5.0000 %

Component: LEAD(II) SULFATE (1:1)
CAS Number: 7446-14-2
Start Date: 01/01/80 Component Percent: 10.0000 %
Exposure Limit: ACGIH: TLV-TWA 0.15 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: PEL-TWA 50 Ìg/m3

Component: VOC - VOLATILE ORGANIC COMPOUNDS
Number: 99999-99-9
t Date: 01/01/80 Component Percent: 60.0000 %

Component: LEAD CHROMATE(VI)
CAS Number: 7758-97-6
Start Date: 01/01/80 Component Percent: 5.0000 %
Exposure Limit: ACGIH: TLV-TWA 0.05 mg/m3
ACGIH: TLV-TWA 0.012 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: FINAL PEL-CEILING 0.1 mg/m3
OSHA: PEL-TWA 50 Ìg/m3

Component: LEAD MOLYBDATE
CAS Number: 10190-55-3
Start Date: 01/01/80 Component Percent: 0.0000 % to 5.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 mg(Mo)/m3
ACGIH: TLV-TWA 0.15 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: FINAL PEL-TWA 10 mg(Mo)/m3
OSHA: FINAL PEL-TWA 5 mg/m3
OSHA: PEL-TWA 50 Ìg/m3
OSHA: TRANSITIONAL PEL-TWA 15 mg/m3

Component: COPPER
CAS Number: 7440-50-8
t Date: 01/01/80 Component Percent: 0.0000 % to 2.0000 %
sure Limit: ACGIH: TLV-TWA 1 mg/m3

VALIDATED MIXTURE COMPONENTS - Continued...

Component: COPPER
Exposure Limit: OSHA: FINAL PEL-TWA 1 mg/m3
OSHA: FINAL PEL-TWA 0.1 mg/m3

Component: BUTYL METHACRYLATE
CAS Number: 97-88-1
Start Date: 01/01/80 Component Percent: 5.0000 % to 20.0000 %

Component: ACETIC ACID ETHENYL ESTER; VINYL RESIN SOLUTION
CAS Number: 25086-48-0
Start Date: 01/01/80 Component Percent: 5.0000 % to 20.0000 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10116
Chemical Type: Mixture
Density (gm/cc): 1.07228
Percent VOCs: 75.0000

SYNONYMS

S2-50 BARRIER WHITE
S2-24 BLACK
S2-26 CLEAR
MSDS 363
S2-21 PEACOCK BLUE
S2-19 PERMANENT FIRE RED
S2-440 PROCESS BLUE
S2-418 RHODAMINE
S2-417 RUBINE RED
S2-75 SUPER OPAQUE WHITE
S2-PB-22 TRANSPARENT BLUE
S2-PB-28 TRANSPARENT GOLD
SC-PB-13 TRANSPARENT GREEN
S2-PB-33 TRANSPARENT PURPLE
[illegible]PB-18 TRANSPARENT RED
[illegible]2 ULTRA BLUE
[illegible]411 WARM RED
S2-25 WHITE
S2-410 YELLOW

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CMB Combustible - a liquid having a flash point at or above 100½F (37.6 C) but less than 200½F (93.3 C), except any mixture having component flashpoints of 200½F or higher that make up ·99% of the mixture.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: KID Kidney Effects / Nephrotoxin - may affect the renal system, including kidney damage, edema, proteinuria, or other nephrotoxicity.

Hazard Flag: LCR Lachrymator - causes tearing of the eyes (but not necessarily irritation).

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 25 ppm
OSHA PEL-TWA: 25 ppm

VALIDATED MIXTURE COMPONENTS

Component: MSDS 401 * PETROLEUM DISTILLATE
CAS Number: Not Assigned
Start Date: 01/01/80 Component Percent: 25.0000 % to 35.0000 %

Component: CYCLOHEXANONE
CAS Number: 108-94-1
Start Date: 01/01/80 Component Percent: 10.0000 % to 20.0000 %
Exposure Limit: ACGIH: TLV-TWA 25 ppm
OSHA: FINAL PEL-TWA 25 ppm
OSHA: TRANSITIONAL PEL-TWA 50 ppm

Component: DIETHYLENE GLYCOL ETHYL ETHER ACETATE
CAS Number: 112-15-2
Start Date: 01/01/80 Component Percent: 5.0000 %

Component: 2-BUTOXYETHYL ACETATE
CAS Number: 112-07-2
Start Date: 01/01/80 Component Percent: 5.0000 %

Component: COPPER
CAS Number: 7440-50-8
t Date: 01/01/80 Component Percent: 2.0000 %
osure Limit: ACGIH: TLV-TWA 1 mg/m3
OSHA: FINAL PEL-TWA 1 mg/m3
OSHA: FINAL PEL-TWA 0.1 mg/m3

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 70.0000 %

Component: BUTYL METHACRYLATE
CAS Number: 97-88-1
Start Date: 01/01/80 Component Percent: 5.0000 % to 20.0000 %

Component: ACETIC ACID ETHENYL ESTER; VINYL RESIN SOLUTION
CAS Number: 25086-48-0
Start Date: 01/01/80 Component Percent: 5.0000 % to 20.0000 %

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10058
Chemical Type: Mixture
Density (gm/cc): 1.51807
Percent VOCs: 50.0000

SYNONYMS

B-20 BRILLIANT ORANGE
B-13 EMERALD GREEN
B-19 FIRE RED
B-12 MEDIUM YELLOW
MSDS 370
MSDS 370A
MSDS 370B
B-10 PRIMROSE YELLOW
B-18 SCARLET RED

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EAR May cause effects to Hearing, such as hearing loss, hearing reduction or tinnitus.

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: I3 IARC Group 3 Carcinogen - A Chemical, Industrial Process, or Occupational Exposure that cannot be classified as to its carcinogenicity in humans due to limited or inadequate human & animal data.

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 50 PPM
PEL-TWA: 50 PPM

VALIDATED MIXTURE COMPONENTS

Component: N-BUTYL ALCOHOL
CAS Number: 71-36-3
Start Date: 01/01/80 Component Percent: 5.0000 %
Exposure Limit: ACGIH: TLV-CEILING 50 ppm
OSHA: FINAL PEL-CEILING 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: BARIUM SULFATE
CAS Number: 7727-43-7
Start Date: 01/01/80 Component Percent: 10.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 mg/m3
OSHA: FINAL PEL-TWA 10 mg/m3
OSHA: FINAL PEL-TWA 5 mg/m3
OSHA: TRANSITIONAL PEL-TWA 15 mg/m3

Component: DIETHYLENE GLYCOL
CAS Number: 111-46-6
Start Date: 01/01/80 Component Percent: 5.0000 %

Component: SILICA, AMORPHOUS
CAS Number: 7631-86-9
Start Date: 01/01/80 Component Percent: 5.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 mg/m3
OSHA: FINAL PEL-TWA 6 mg/m3
OSHA: TRANSITIONAL PEL-TWA 80 / %SiO2 mg/m3
OSHA: TRANSITIONAL PEL-TWA 20 mppcf

Component: LEAD(II) SULFATE (1:1)
CAS Number: 7446-14-2
Start Date: 01/01/80 Component Percent: 10.0000 % to 20.0000 %
Exposure Limit: ACGIH: TLV-TWA 0.15 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3
OSHA: PEL-TWA 50 Ìg/m3

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 29.3600 %

Component: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 15.0000 % to 40.0000 %

Component: LEAD CHROMATE(VI)
CAS Number: 7758-97-6
Start Date: 01/01/80 Component Percent: 5.0000 % to 20.0000 %
Exposure Limit: ACGIH: TLV-TWA 0.05 mg/m3
ACGIH: TLV-TWA 0.012 mg/m3
OSHA: ACTION LEVEL 30 Ìg/m3

VALIDATED MIXTURE COMPONENTS - Continued...

Component: LEAD CHROMATE(VI)
Exposure Limit: OSHA: FINAL PEL-CEILING 0.1 mg/m3
OSHA: PEL-TWA 50 Ìg/m3

ENVIRONMENTAL STATUS

Federal Reportable Quantity (lbs): 5000

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10059
Chemical Type: Mixture
Density (gm/cc): 1.07228
Percent VOCs: 60.0000

SYNONYMS

B-24 BLACK
BPB-60 STOP SIGN RED
BPB-12 TRANS. MEDIUM YELLOW
BPB-22 TRANSPARENT BLUE
BPB-13 TRANSPARENT GREEN
BPB-20 TRANSPARENT ORANGE
BPB-33 TRANSPARENT PURPLE
BPB-18 TRANSPARENT RED
MSDS 371
B-21 PEACOCK BLUE
B-440 PROCESS BLUE
B-22 ULTRA BLUE
B-25 WHITE

HAZARD FLAG INFORMATION

Hazard Flag: ACG — Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: DOT — Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR — Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: I3 — IARC Group 3 Carcinogen - A Chemical, Industrial Process, or Occupational Exposure that cannot be classified as to its carcinogenicity in humans due to limited or inadequate human & animal data.

Hazard Flag: IAR — Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: PUL Pulmonary System Effects - may cause effects on the respiratory system pathology or respiration, such as pulmonary edema, fibrosis, bronchitis, bronchoconstriction, or respiratory arrest.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 10 ppm
OSHA PEL-TWA: 10 ppm

VALIDATED MIXTURE COMPONENTS

Component: SILICA, AMORPHOUS
CAS Number: 7631-86-9
Start Date: 01/01/80 Component Percent: 5.0000 %
Exposure Limit: ACGIH: TLV-TWA 10 mg/m3
OSHA: FINAL PEL-TWA 6 mg/m3
OSHA: TRANSITIONAL PEL-TWA 80 / %SiO2 mg/m3
OSHA: TRANSITIONAL PEL-TWA 20 mppcf

Component: DIETHYLENE GLYCOL
CAS Number: 111-46-6
Start Date: 01/01/80 Component Percent: 1.0000 %

Component: BARIUM SULFATE
C[illegible] Number: 7727-43-7
[illegible] Date: 01/01/80 Component Percent: 0.0000 % to 10.0000 %
[illegible]sure Limit: ACGIH: TLV-TWA 10 mg/m3

VALIDATED MIXTURE COMPONENTS - Continued...

Component: BARIUM SULFATE
Exposure Limit: OSHA: FINAL PEL-TWA 10 mg/m3
OSHA: FINAL PEL-TWA 5 mg/m3
OSHA: TRANSITIONAL PEL-TWA 15 mg/m3

Component: N-BUTYL ALCOHOL
CAS Number: 71-36-3
Start Date: 01/01/80 Component Percent: < 5.0000 %
Exposure Limit: ACGIH: TLV-CEILING 50 ppm
OSHA: FINAL PEL-CEILING 50 ppm
OSHA: TRANSITIONAL PEL-TWA 100 ppm

Component: PETROLEUM DISTILLATE, 2
CAS Number: 64742-94-5
Start Date: 01/01/80 Component Percent: 15.0000 % to 40.0000 %

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/80 Component Percent: 44.1800 %

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 1 - Slight
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10175
Chemical Type: Mixture
Density (gm/cc): 0.85000

Inventory Defaults

Storage Code: D
Quantity Unit: (gal)

SYNONYMS

MSDS 012

HAZARD FLAG INFORMATION

Hazard Flag: ACG — Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: MMI — Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: OSH — OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS — Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: STC — Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH PEL-STEL (AS MIST): 10 mg/m3
ACGIH TLV-TWA: 5 mg.m3
OSHA PEEL-TWA: 5 mg/m3

VALIDATED MIXTURE COMPONENTS

Component: MINERAL OIL
CAS Number: 8012-95-1
Start Date: 01/01/80 Component Percent: 100.0000 %
Exposure Limit: ACGIH: TLV-STEL 10 mg/m3
ACGIH: TLV-TWA 5 mg/m3
OSHA: FINAL PEL-TWA 5 mg/m3

ENVIRONMENTAL STATUS

SARA Hazard Classification(s)

Acute Health Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 0 - Negligible
Fire: 1 - Slight
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10165
Chemical Type: Mixture
Density (gm/cc): 0.90466
Percent VOCs: 100.0000

Inventory Defaults

Physical State: Liquid
Storage Code: D
Quantity Unit: (gal)

SYNONYMS

MSDS 427

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: BPR Blood Pressure Effects - may cause effects which increase or decrease blood pressure.

Hazard Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 50 ppm
OSHA PEL-STEL: 75 ppm
OSHA PEL-TWA: 50 ppm

VALIDATED MIXTURE COMPONENTS

Component: PROPYLENE GLYCOL MONOMETHYL ETHER
CAS Number: 107-98-2
Start Date: 01/01/91 Component Percent: 15.0000 %
Exposure Limit: ACGIH: TLV-STEL 150 ppm
ACGIH: TLV-TWA 100 ppm
OSHA: FINAL PEL-STEL 150 ppm
OSHA: FINAL PEL-TWA 100 ppm

Component: DIACETONE ALCOHOL
CAS Number: 123-42-2
Start Date: 01/01/91 Component Percent: 34.0000 %
Exposure Limit: ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL-TWA 50 ppm

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/91 Component Percent: 51.0000 %

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/91 Component Percent: 100.0000 %

ENVIRONMENTAL STATUS

Emergency Response Guide Number: 26

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 2 - Moderate
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10138
Chemical Type: Mixture
Density (gm/cc): 0.78988
Percent VOCs: 100.0000

SYNONYMS

MSDS 430

HAZARD FLAG INFORMATION

Hazard Flag: ACG Listed in the American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Values & Biological Exposure Indices booklet for 1991-1992.

Hazard Flag: CLA Regulated under the U.S. EPA Comprehensive Environmental Response, Compensation and Liability Act (CERCLA / Superfund) list of Hazardous Substances, 40CFR Part 302, Table 302.4 (9/23/91)

rd Flag: CNS Central Nervous System Effects - may cause effects such as anesthetic effects, drowsiness, dizziness, decrease in motor functions, convulsions, tremors, narcosis, or behavioral changes.

Hazard Flag: DER May cause Dermatitis (skin redness, dryness, scaling, etc.) from repeated or prolonged contact.

Hazard Flag: DOT Regulated by the U.S. Department of Transportation (DOT) in the Hazardous Materials Table (49 CFR 172.101) or Optional Hazardous Materials Table (49 CFR 172.102).

Hazard Flag: EIR Eye Irritant - may cause a reversible inflammatory effect on the eye tissue at the site of contact.

Hazard Flag: EPA EPA Toxic/Priority Pollutant - list in the U.S. EPA Federal Water Pollution Control Act (40 CFR 401.15) as a Toxic Pollutant.

Hazard Flag: FLM Flammable - a liquid with a flash point below 100½F (37.8 C), an ignitable / flammable solid, flammable gas, or a flammable aerosol.

Hazard Flag: I3 IARC Group 3 Carcinogen - A Chemical, Industrial Process, or Occupational Exposure that cannot be classified as to its carcinogenicity in humans due to limited or inadequate human & animal data.

HAZARD FLAG INFORMATION - Continued...

Hazard Flag: IAR Listed by the International Agency for Research on Cancer in Supplement 7 of "IARC Monographs on the Evaluation of the Carcinogenic Risk of Chemicals to Humans", as a Group 1, 2A, 2B, or 3 Carcinogen.

Hazard Flag: LIV Liver Effects / Hepatotoxin - may cause effects to the hepatic system, such as jaundice, liver enlargement, liver damage, or other hepatoxicity.

Hazard Flag: MMI Mucous Membrane Irritant - may cause effects on mucous membrane tissue, such as inflammation, irritation, hyperplasia, or change in ciliary activity.

Hazard Flag: NTP Listed on the National Toxicology Program (NTP) Sixth Annual Report on Carcinogens, 1991.

Hazard Flag: OSH OSHA Z Table Substance - regulated under OSHA Subpart Z, Air Contaminants - Permissible Exposure Limits, 29 CFR 1910.1000 through 1910.1047, (revised Jan. 23, 1989).

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

Hazard Flag: RIR Respiratory Irritant - may cause a reversible inflammatory effect on the upper respiratory system.

Hazard Flag: SIR Skin Irritant- may cause a reversible inflammatory effect on skin or tissue at the site of contact.

Hazard Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

EXPOSURE LIMITS

ACGIH TLV-TWA: 50 ppm
OSHA PEL-STEL: 75 ppm
OSHA PEL-TWA: 500 ppm

VALIDATED MIXTURE COMPONENTS

Component: ACETONE
CAS Number: 67-64-1
Start Date: 01/01/91 Component Percent: 17.0000 %
Exposure Limit: ACGIH: TLV-STEL 1,000 ppm
ACGIH: TLV-TWA 750 ppm
OSHA: FINAL PEL-STEL 1,000 ppm
OSHA: FINAL PEL-TWA 750 ppm
OSHA: TRANSITIONAL PEL-TWA 1,000 ppm

Component: ISOPROPYL ALCOHOL
CAS Number: 67-63-0
Start Date: 01/01/91 Component Percent: 10.0000 %
Exposure Limit: ACGIH: TLV-STEL 500 ppm
ACGIH: TLV-TWA 400 ppm
OSHA: FINAL PEL-STEL 500 ppm
OSHA: FINAL PEL-TWA 400 ppm

Component: METHYLENE CHLORIDE
CAS Number: 75-09-2
Start Date: 01/01/91 Component Percent: 13.0000 %
Exposure Limit: ACGIH: TLV-TWA 50 ppm
OSHA: FINAL PEL
OSHA: TRANSITIONAL PEL-CEILING 1,000 ppm
OSHA: TRANSITIONAL PEL-PEAK 2,000 ppm
OSHA: TRANSITIONAL PEL-TWA 500 ppm

Component: SHELL SOL BT-60
CAS Number: 64742-89-8
Start Date: 01/01/91 Component Percent: 60.0000 %

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/91 Component Percent: 100.0000 %

ENVIRONMENTAL STATUS

RCRA Number: U002

SARA Hazard Classification(s)

Acute Health Hazard
Chronic Health Hazard
Fire Hazard

HAZARD LABEL

HAZARD LABEL - Continued...

HMIS Hazard Rating - Health: 2 - Moderate
Fire: 3 - High
Reactivity: 0 - Negligible

CAS Number: Not Established
Chemical Master Number: 10140
Chemical Type: Mixture
Density (gm/cc): 0.86600
Percent VOCs: 100.0000

Inventory Defaults

Physical State: Liquid
Storage Code: F
Quantity Unit: (gal)

SYNONYMS

MSDS 448

HAZARD FLAG INFORMATION

Hazard Flag: PHS Potentially Hazardous Substance - as as having hazard characteristics as defined in 29 CFR 1910 appearing in the Federal Registry/Vol.48, No.228/ Fri.Nov.25,1983/Rules and Regs. pages 52241-52242

rd Flag: STC Regulated under EPA Superfund Title III, Section 313, List of Toxic Chemicals in the Emergency Planning Community Right To Know Act of 1986 (as of Dec. 10, 1990).

VALIDATED MIXTURE COMPONENTS

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/91 Component Percent: 100.0000 %

Component: VOC - VOLATILE ORGANIC COMPOUNDS
CAS Number: 99999-99-9
Start Date: 01/01/91 Component Percent: 100.0000 %

HAZARD LABEL

CAS Number: Not Established Chemical Master Number: 10220
Chemical Type: Mixture
Density (gm/cc): 1.00000

SYNONYMS

MSDS 533

VALIDATED MIXTURE COMPONENTS

Component: HEAVY AROMATIC NAPHTHA
CAS Number: 64742-95-6
Start Date: 01/01/80 Component Percent: 11.9000 % to 33.3000 %

Component: ALIPHATIC PETROLEUM NAPHTHA
CAS Number: 64742-47-8
Start Date: 01/01/80 Component Percent: 11.0000 % to 41.0000 %

9 1981 INVOICES

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 068 * CD-L 444	N/A	01/01/81	
ADQ: 674.0 MQ: 1347.0 APU: 1347.0 AOU: None			gal
MSDS 073 * CV-L 291 STRIP COAT	N/A	01/01/81	
ADQ: 110.0 MQ: 220.0 APU: 220.0 AOU: None			gal
MSDS 077 * 1057 WHITE	N/A	01/01/81	
ADQ: 66.0 MQ: 132.0 APU: 132.0 AOU: None			gal
MSDS 078 * 4615 YELLOW	N/A	01/01/81	
ADQ: 13.0 MQ: 25.0 APU: 25.0 AOU: None			gal
MSDS 083 * 6285-D BLACK	N/A	01/01/81	
ADQ: 118.0 MQ: 235.0 APU: 235.0 AOU: None			gal
MSDS 085 * 3164 RED	N/A	01/01/81	
ADQ: 25.0 MQ: 50.0 APU: 50.0 AOU: None			gal
DS 095 * 9078 PLASTICIZER	N/A	01/01/81	
ADQ: 2.0 MQ: 4.0 APU: 4.0 AOU: None			gal
MSDS 097 * SYSTEM 2 THINNER	N/A	01/01/81	
ADQ: 13.0 MQ: 26.0 APU: 26.0 AOU: None			gal
MSDS 124 * 1139 BLACK	N/A	01/01/81	
ADQ: 35.0 MQ: 70.0 APU: 70.0 AOU: None			gal
MSDS 129 * 140-4506 BLACK	N/A	01/01/81	
ADQ: 88.0 MQ: 175.0 APU: 175.0 AOU: None			gal
MSDS 150 * ASG-710 BLACK	N/A	01/01/81	
ADQ: 14.0 MQ: 28.0 APU: 28.0 AOU: None			gal
MSDS 169 * ADE-780 CLEAR	N/A	01/01/81	
ADQ: 30.0 MQ: 60.0 APU: 60.0 AOU: None			gal
MSDS 183 * PE-710 BLACK	N/A	10/10/81	
ADQ: Unknown MQ: 1.0 APU: None AOU: None			gal
MSDS 189 * 3102 GLOSKIL	N/A	10/10/81	
ADQ: 4.0 MQ: 8.0 APU: 8.0 AOU: None			gal
MSDS 222 * XLS-41 CATALYST	N/A	01/01/81	
ADQ: 51.0 MQ: 101.0 APU: 101.0 AOU: None			gal
MSDS 227 * 86202-4113 BROWN	N/A	10/10/81	
ADQ: 58.0 MQ: 116.0 APU: 116.0 AOU: None			gal

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 242 * FREON TF	N/A	01/01/81	
ADQ: 1128.0 MQ: 2255.0 APU: 2255.0 AOU: None			gal
MSDS 278 * 140-2303 RETARDER	N/A	01/01/81	
ADQ: 53.0 MQ: 105.0 APU: 105.0 AOU: None			gal
MSDS 284 * CV-L 294 SIZE	N/A	01/01/81	
ADQ: 560.0 MQ: 1119.0 APU: 1119.0 AOU: None			gal
MSDS 294 * ER-62377 RETARDER	N/A	01/01/81	
ADQ: 2.0 MQ: 4.0 APU: 4.0 AOU: None			gal
MSDS 300 * V66V27	N/A	01/01/81	
ADQ: 64.0 MQ: 127.0 APU: 127.0 AOU: None			gal
MSDS 301 * F63T1	N/A	01/01/81	
ADQ: 23.0 MQ: 45.0 APU: 45.0 AOU: None			gal
DS 302 * R7K84	N/A	01/01/81	
ADQ: 76.0 MQ: 152.0 APU: 152.0 AOU: None			gal
MSDS 303 * F63B13	N/A	01/01/81	
ADQ: 122.0 MQ: 244.0 APU: 244.0 AOU: None			gal
MSDS 324 * MINERAL SPIRITS S-66	N/A	01/01/81	
ADQ: 468.0 MQ: 935.0 APU: 935.0 AOU: None			gal
MSDS 426 * MINERAL SEAL OIL	N/A	01/01/81	
ADQ: 1100.0 MQ: 2200.0 APU: 2200.0 AOU: None			gal
MSDS 427 * SOLVENT 959	N/A	01/01/81	
ADQ: 2475.0 MQ: 4950.0 APU: 4950.0 AOU: None			gal
MSDS 430 * SOLVENT 2166	N/A	01/01/81	
ADQ: 1870.0 MQ: 3740.0 APU: 3740.0 AOU: None			gal
MSDS 448 * T-900 THINNER	N/A	01/01/81	
ADQ: 1.0 MQ: 1.0 APU: 1.0 AOU: None			gal
MSDS 533 * JRP (NO LEAD) INKS	N/A	01/01/81	
ADQ: 8.0 MQ: 16.0 APU: 16.0 AOU: None			gal
MSDS 534 * JRP (LEADED) INKS	N/A	01/01/81	
ADQ: 1.0 MQ: 1.0 APU: 1.0 AOU: None			gal
MSDS 161 * ABS-455 BLUE	N/A	01/01/81	
ADQ: 5.0 MQ: 10.0 APU: 10.0 AOU: None			gal

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 158 * ABS-120 WHITE	N/A	01/01/81	
ADQ: 1.0 MQ: 2.0 APU: 2.0 AOU: None			gal
MSDS 051 * 200-2 ACME INKS	N/A	01/01/81	
ADQ: 920.0 MQ: 1840.0 APU: 1840.0 AOU: None			lb
MSDS 050 * 200-1 ACME INKS	N/A	01/01/81	
ADQ: 2035.0 MQ: 4070.0 APU: 4070.0 AOU: None			lb
MSDS 147 * ASG-220 YELLOW	N/A	01/01/81	
ADQ: 3.0 MQ: 5.0 APU: 5.0 AOU: None			gal
MSDS 293 * B-31 RETARDER	N/A	01/01/81	
ADQ: 3.0 MQ: 6.0 APU: 6.0 AOU: None			gal
MSDS 290 * B-30 THINNER	N/A	01/01/81	
ADQ: 8.0 MQ: 16.0 APU: 16.0 AOU: None			gal
MSDS 055 * ER 4026 BLUE RESIST	N/A	01/01/81	
ADQ: 20.0 MQ: 39.0 APU: 39.0 AOU: None			gal
MSDS 108 * 140-1708 FLAT BASE	N/A	01/01/81	
ADQ: 1.0 MQ: 1.0 APU: 1.0 AOU: None			gal
MSDS 108 * 140-1708 FLAT BASE	N/A	01/01/80	
ADQ: Unknown MQ: Unknown APU: None AOU: None			gal
MSDS 096 * S2 RETARDER	N/A	01/01/81	
ADQ: 3.0 MQ: 5.0 APU: 5.0 AOU: None			gal
MSDS 362 * S2 SERIES LEADED INKS	N/A	01/01/81	
ADQ: 6.0 MQ: 12.0 APU: 12.0 AOU: None			gal
MSDS 363 * S2 SERIES NON LEADED INKS	N/A	01/01/81	
ADQ: 24.0 MQ: 47.0 APU: 47.0 AOU: None			gal
MSDS 370 * THERMO-SET LEADED INKS	N/A	01/01/81	
ADQ: 4.0 MQ: 7.0 APU: 7.0 AOU: None			gal
MSDS 371 * THERMO-SET NON LEADED INKS	N/A	01/01/81	
ADQ: 30.0 MQ: 59.0 APU: 59.0 AOU: None			gal
MSDS 114 * 140-1167 THINNER	N/A	01/01/81	
ADQ: 20.0 MQ: 39.0 APU: 39.0 AOU: None			gal
MSDS 174 * T-976 THINNER	N/A	01/01/81	
ADQ: 7.0 MQ: 13.0 APU: 13.0 AOU: None			gal

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 179 * T-910 THINNER	N/A	01/01/81	
ADQ: 8.0 MQ: 16.0 APU: 16.0 AOU: None			gal

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
08/31/81	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
10/13/81	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
03/10/83	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
06/22/83	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
					2200
08/26/81	BLACKERS (ACME)	WHITE 369421	11	50	
09/28/81	ACME INK	TONER 84556	16	50	
09/28/81	ACME INK	BLACK M30829A	5	50	
10/12/81	BLACKERS (ACME)	BLUE 83145	10	50	
10/12/81	BLACKERS (ACME)	WHITE 246302	12	50	
10/31/81	ACME INK	TONER 84556	16	50	
10/31/81	ACME INK	BLACK M30829A	6	50	
11/12/81	BLACKERS (ACME)	VARNISH #00	12	50	
11/12/81	BLACKERS (ACME)	BLACK 605	10	50	
11/12/81	BLACKERS (ACME)	PLASTICIZER 1368	8	50	
12/16/81	ACME INK	BLACK M30829A	12	50	
12/17/81	BLACKERS (ACME)	WHITE 269421	9	50	
12/17/81	BLACKERS (ACME)	WHITE 269421	16	50	
01/19/82	BLACKERS (ACME)	WHITE 269421	9	50	
01/19/82	BLACKERS (ACME)	BLUE 83145	10	50	
01/19/82	BLACKERS (ACME)	PLASTICIZER 1368	10	50	
01/19/82	BLACKERS (ACME)	BROWN 274472	10	50	
03/02/82	BLACKERS (ACME)	BLUE 83145	10	50	
03/02/82	BLACKERS (ACME)	PLASTICIZER 1368	10	50	
03/02/82	BLACKERS (ACME)	BROWN 274472	8	50	
03/02/82	BLACKERS (ACME)	WHITE 246302	16	50	
03/02/82	BLACKERS (ACME)	GREEN 241131	6	50	
03/08/82	BLACKERS (ACME)	BLUE 83145	9	50	
03/15/82	ACME INK	TONER 84556	2	50	
03/15/82	ACME INK	TONER C1001	2	50	
03/15/82	ACME INK	BLACK M30829A	12	50	
03/31/82	BLACKERS (ACME)	BLACK 605	12	50	
03/31/82	BLACKERS (ACME)	WHITE 246302	8	50	
05/11/82	BLACKERS (ACME)	BLACK 605	12	50	
05/11/82	BLACKERS (ACME)	WHITE 246302	10	50	
06/17/82	BLACKERS (ACME)	WHITE 269421	8	50	
06/17/82	BLACKERS (ACME)	VARNISH #00	10	50	
06/30/82	BLACKERS (ACME)	WHITE 246302	11	50	
07/16/82	ACME INK	BLACK M30829A	14	50	
07/16/82	ACME INK	WHITE M85056	12	50	
07/16/82	ACME INK	BLUE M83376	11	50	
07/21/82	BLACKERS (ACME)	BLACK 605	10	50	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
07/21/82	BLACKERS (ACME)	WHITE 246302	12	50	
08/19/82	BLACKERS (ACME)	WHITE 269421	10	50	
08/19/82	BLACKERS (ACME)	WHITE 246302	10	50	
					407
10/12/81	BLACKERS (ACME)	SILVER 158091	10	51	
10/19/81	ACME INK	ORANGE M83597	10	51	
10/19/81	ACME INK	CHROME M83377	16	51	
11/12/81	BLACKERS (ACME)	YELLOW 241631	10	51	
12/16/81	ACME INK	RED M83480	14	51	
12/16/81	ACME INK	RED M83595	12	51	
12/17/81	BLACKERS (ACME)	RED 504641	1	51	
01/19/82	BLACKERS (ACME)	CHROME 241051	6	51	
03/15/82	ACME INK	CHROME M83377	16	51	
03/31/82	BLACKERS (ACME)	YELLOW 241061	10	51	
06/17/82	BLACKERS (ACME)	GOLD 85/15	10	51	
06/30/82	BLACKERS (ACME)	RED 176111	10	51	
06/30/82	BLACKERS (ACME)	SILVER 158091	10	51	
07/16/82	ACME INK	RED 51988	14	51	
07/16/82	ACME INK	RED M83480	15	51	
07/16/82	ACME INK	CHROME M83377	10	51	
07/21/82	BLACKERS (ACME)	YELLOW 241061	10	51	
					184
12/09/81	COLONIAL INK	ER-4026 BLUE	11	55	
12/28/81	COLONIAL INK	ER-4026 BLUE	12	55	
07/26/82	COLONIAL INK	ER-4026 BLUE	16	55	
					39
10/09/81	EGYTPIAN LACQUER	LACQUER CD-L 444	339	68	
02/18/82	EGYTPIAN LACQUER	LACQUER CD-L 444	397	68	
05/27/82	EGYTPIAN LACQUER	LACQUER CD-L 444	284	68	
08/17/82	EGYTPIAN LACQUER	LACQUER CD-L 444	327	68	
					1347
10/09/81	EGYTPIAN LACQUER	FLAT. PASTE XLB-365	24	69	
12/22/81	EGYTPIAN LACQUER	FLAT. PASTE XLB-365	28	69	
03/31/82	EGYTPIAN LACQUER	FLAT. PASTE XLB-365	24	69	
07/06/82	EGYTPIAN LACQUER	FLAT. PASTE XLB-365	25	69	
					101
01/15/82	EGYTPIAN LACQUER	STRIP OFF CV-L 291	55	73	
03/24/82	EGYTPIAN LACQUER	STRIP OFF CV-L 291	55	73	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
07/06/82	EGYTPIAN LACQUER	STRIP OFF CV-L 291	110	73	
					220
10/06/81	LILLY	WHITE 1057	57	77	
02/25/82	LILLY	WHITE 1057	75	77	
					132
08/23/82	LILLY	YELLOW 4615	25	78	
					25
10/06/81	LILLY	BLACK 6285-D	53	83	
01/19/82	LILLY	BLACK 6285-D	65	83	
02/25/82	LILLY	BLACK 6285-D	72	83	
08/25/82	LILLY	BLACK 6285-D	45	83	
					235
12/22/81	LILLY	RED 3164	25	85	
08/23/82	LILLY	RED 3164	25	85	
					50
02/26/82	LILLY	PLASTICIZER 9078	4	95	
					4
09/27/81	CINCINNATI SCREEN	S2-31 RETARDER	2	96	
					5
09/27/81	CINCINNATI SCREEN	S2-30 THINNER	2	97	
11/10/81	CINCINNATI SCREEN	S2-30 THINNER	4	97	
02/01/82	CINCINNATI SCREEN	S2-30 THINNER	4	97	
03/04/82	CINCINNATI SCREEN	S2-30 THINNER	4	97	
06/01/82	CINCINNATI SCREEN	S2-30 THINNER	4	97	
06/22/82	CINCINNATI SCREEN	S2-26 CLEAR	4	97	
06/22/82	CINCINNATI SCREEN	S2-30 THINNER	4	97	
					26
03/04/82	GEN. FORMULATION	BASE 140-1708	1	108	
					1
01/04/82	GEN. FORMULATION	THINNER 140-1167	4	114	
03/04/82	GEN. FORMULATION	THINNER 140-1167	4	114	
05/13/82	GEN. FORMULATION	THINNER 140-1167	10	114	
07/06/82	GEN. FORMULATION	THINNER 140-1167	6	114	
08/17/82	GEN. FORMULATION	THINNER 140-1167	15	114	
					39

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
11/12/81	GEN. FORMULATION	BLACK 140-1139	25	124	
03/04/82	GEN. FORMULATION	BLACK 140-1139	10	124	
05/13/82	GEN. FORMULATION	BLACK 140-1139	25	124	
08/17/82	GEN. FORMULATION	BLACK 140-1139	10	124	
					70
10/14/81	GEN. FORMULATION	BLACK 140-4506	30	129	
01/04/82	GEN. FORMULATION	BLACK 140-4506	30	129	
03/04/82	GEN. FORMULATION	BLACK 140-4506	30	129	
04/26/82	GEN. FORMULATION	BLACK 140-4506	30	129	
07/06/82	GEN. FORMULATION	BLACK 140-4506	30	129	
08/17/82	GEN. FORMULATION	BLACK 140-4506	25	129	
					175
04/27/82	ADVANCE PROCESS	BLACK ASG-720	4	147	
03/05/82	ADVANCE PROCESS	RED ASG-500	1	149	
					5
11/11/81	ADVANCE PROCESS	BLACK ASG-710	10	150	
03/05/82	ADVANCE PROCESS	BLACK ASG-710	8	150	
05/11/82	ADVANCE PROCESS	BLACK ASG-710	3	150	
07/06/82	ADVANCE PROCESS	BLACK ASG-710	3	150	
08/18/82	ADVANCE PROCESS	BLACK ASG-710	4	150	
					28
03/05/82	ADVANCE PROCESS	WHITE ABS-120	2	158	
					2
03/05/82	ADVANCE PROCESS	BLUE ABS-455	2	161	
05/27/82	ADVANCE PROCESS	BLACK REX-710	8	161	
					10
02/01/03	CINCINNATI SCREEN	CLEAR 102810	13	169	
09/09/81	CINCINNATI SCREEN	CLEAR 102810	14	169	
09/27/81	CINCINNATI SCREEN	CLEAR 102810	17	169	
05/10/82	CINCINNATI SCREEN	CLEAR 102810	13	169	
05/11/82	ADVANCE PROCESS	BASE ASG-780	2	169	
05/11/82	ADVANCE PROCESS	BASE ASG-780	1	169	
					60
03/05/82	ADVANCE PROCESS	THINNER T-976	4	174	
05/26/82	ADVANCE PROCESS	WASHUP T-125	1	174	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
08/18/82	ADVANCE PROCESS	THINNER T-976	8	174	
					13
01/29/82	ADVANCE PROCESS	THINNER T-910	8	179	
05/27/82	ADVANCE PROCESS	THINNER T-910	8	179	
					16
05/26/82	ADVANCE PROCESS	BLACK PE-710	1	183	
					1
11/17/81	DECO CHEM	GLOSKIL 3102	8	189	
					8
10/19/81	LILLY	BROWN 81202-659	57	227	
10/19/81	LILLY	BEIGE 81202-658	59	227	
					116
08/21/81	McKESSON	FREON	165	242	
09/18/81	McKESSON	FREON	165	242	
09/18/81	McKESSON	FREON	165	242	
10/08/81	McKESSON	FREON	165	242	
11/09/81	McKESSON	FREON	165	242	
12/02/81	McKESSON	FREON	165	242	
12/29/81	McKESSON	FREON	165	242	
01/28/82	McKESSON	FREON	165	242	
02/26/82	McKESSON	FREON	165	242	
03/30/82	McKESSON	FREON	165	242	
04/21/82	McKESSON	FREON	165	242	
05/21/82	McKESSON	FREON	165	242	
06/30/82	McKESSON	FREON	165	242	
08/10/82	McKESSON	FREON	110	242	
					2255
10/14/81	GEN. FORMULATION	WASH UP 140-2303	15	278	
01/04/82	GEN. FORMULATION	WASH UP 140-2303	15	278	
03/04/82	GEN. FORMULATION	WASH UP 140-2303	15	278	
04/26/82	GEN. FORMULATION	WASH UP 140-2303	15	278	
07/06/82	GEN. FORMULATION	WASH UP 140-2303	15	278	
08/17/82	GEN. FORMULATION	WASH UP 140-2303	30	278	
					105
09/29/81	LILLY	SIZE 78	330	284	
12/22/81	LILLY	SIZE 78	275	284	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
05/07/82	LILLY	SIZE 78	204	284	
08/17/82	LILLY	SIZE 78	310	284	
					1119
10/05/81	CINCINNATI SCREEN	B-30 THINNER	4	290	
01/15/82	CINCINNATI SCREEN	B-30 THINNER	4	290	
03/17/82	CINCINNATI SCREEN	B-30 THINNER	8	290	
					16
10/05/81	CINCINNATI SCREEN	B-31 RETARDER	2	293	
03/17/82	CINCINNATI SCREEN	B-31 REATRDER	4	293	
					6
12/28/81	COLONIAL INK	ER-62377 REDUCER	4	294	
					4
10/19/81	SHERWIN WILLIAMS	R7B84	4	300	
11/13/81	SHERWIN WILLIAMS	R7B84	6	300	
11/20/81	SHERWIN WILLIAMS	R7B84	12	300	
11/20/81	SHERWIN WILLIAMS	R7B84	6	300	
12/10/81	SHERWIN WILLIAMS	R71B4	8	300	
01/11/82	SHERWIN WILLIAMS	R7B84	1	300	
01/15/82	SHERWIN WILLIAMS	R7B84	12	300	
02/08/82	SHERWIN WILLIAMS	R7B84	4	300	
02/22/82	SHERWIN WILLIAMS	R7B84	10	300	
03/10/82	SHERWIN WILLIAMS	R7B84	15	300	
04/13/82	SHERWIN WILLIAMS	R7B84	5	300	
06/10/82	SHERWIN WILLIAMS	R7B84	8	300	
06/18/82	SHERWIN WILLIAMS	R7B84	15	300	
07/19/82	SHERWIN WILLIAMS	R7B84	5	300	
08/12/82	SHERWIN WILLIAMS	R7B84	5	300	
08/28/91	SHERWIN WILLIAMS	R7B84	3	300	
08/28/91	SHERWIN WILLIAMS	R7B84	8	300	
					127
10/19/81	SHERWIN WILLIAMS	V66V27	4	301	
12/10/81	SHERWIN WILLIAMS	V66V27	4	301	
01/11/82	SHERWIN WILLIAMS	V66V27	5	301	
01/15/82	SHERWIN WILLIAMS	V66V27	8	301	
03/19/82	SHERWIN WILLIAMS	V66V27	4	301	
04/28/82	SHERWIN WILLIAMS	V66V27	2	301	
06/10/82	SHERWIN WILLIAMS	V66V27	4	301	
06/18/82	SHERWIN WILLIAMS	V66V27	4	301	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
07/19/82	SHERWIN WILLIAMS	V66V27	4	301	
08/12/82	SHERWIN WILLIAMS	V66V27	4	301	
08/28/91	SHERWIN WILLIAMS	V66V27	2	301	
					45
10/19/81	SHERWIN WILLIAMS	F63T1	6	302	
11/13/81	SHERWIN WILLIAMS	F63T1	6	302	
12/10/81	SHERWIN WILLIAMS	F63T1	12	302	
01/11/82	SHERWIN WILLIAMS	F63T1	9	302	
01/15/82	SHERWIN WILLIAMS	F63T1	8	302	
01/22/82	SHERWIN WILLIAMS	F63T1	12	302	
02/08/82	SHERWIN WILLIAMS	F63T1	12	302	
02/22/82	SHERWIN WILLIAMS	F63T1	4	302	
03/19/82	SHERWIN WILLIAMS	F63T1	12	302	
03/31/82	SHERWIN WILLIAMS	F63T1	12	302	
04/13/82	SHERWIN WILLIAMS	F63T1	12	302	
04/28/82	SHERWIN WILLIAMS	F63T1	2	302	
06/10/82	SHERWIN WILLIAMS	F63T1	8	302	
06/29/82	SHERWIN WILLIAMS	F63T1	14	302	
07/19/82	SHERWIN WILLIAMS	F63T1	15	302	
08/12/82	SHERWIN WILLIAMS	F63T1	8	302	
					152
10/19/81	SHERWIN WILLIAMS	F63B13	6	303	
11/13/81	SHERWIN WILLIAMS	F63B13	8	303	
11/13/81	SHERWIN WILLIAMS	B31WC700	5	303	
11/20/81	SHERWIN WILLIAMS	F63B13	12	303	
11/27/81	SHERWIN WILLIAMS	B31WC700	5	303	
11/27/81	SHERWIN WILLIAMS	B31WC700	25	303	
12/10/81	SHERWIN WILLIAMS	F63B13	12	303	
12/10/81	SHERWIN WILLIAMS	B31WC700	10	303	
01/05/82	SHERWIN WILLIAMS	B31WC700	10	303	
01/11/82	SHERWIN WILLIAMS	F63B13	15	303	
01/15/82	SHERWIN WILLIAMS	F63B13	12	303	
02/08/82	SHERWIN WILLIAMS	F63B13	12	303	
02/22/82	SHERWIN WILLIAMS	F63B13	4	303	
03/10/82	SHERWIN WILLIAMS	F63B13	8	303	
03/19/82	SHERWIN WILLIAMS	F63B13	8	303	
03/31/82	SHERWIN WILLIAMS	F63B13	12	303	
04/13/82	SHERWIN WILLIAMS	F63B13	12	303	
04/28/82	SHERWIN WILLIAMS	F63B13	2	303	
06/10/82	SHERWIN WILLIAMS	B63B13	12	303	
06/18/82	SHERWIN WILLIAMS	B63B13	8	303	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
06/29/82	SHERWIN WILLIAMS	B63B13	15	303	
07/19/82	SHERWIN WILLIAMS	B63B13	15	303	
08/12/82	SHERWIN WILLIAMS	B63B13	8	303	
08/28/91	SHERWIN WILLIAMS	F63B13	8	303	
					244
08/31/81	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
10/30/81	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
12/18/81	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
01/28/82	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
07/07/82	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
08/13/82	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
03/10/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	165	324	
05/25/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
					935
09/22/81	CINCINNATI SCREEN	S2-412 RHODAMINE	1	362	
09/27/81	CINCINNATI SCREEN	S2-12 YELLOW	1	362	
10/14/81	CINCINNATI SCREEN	S2-441 GREEN	1	362	
10/29/81	CINCINNATI SCREEN	S2-800 CLEAR	1	362	
11/10/81	CINCINNATI SCREEN	S2-12 YELLOW	3	362	
02/01/82	CINCINNATI SCREEN	S2-12 YELLOW	1	362	
03/04/82	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
06/18/82	CINCINNATI SCREEN	S2-18 RED	1	362	
06/22/82	CINCINNATI SCREEN	S2-12 YELLOW	1	362	
					12
09/27/81	CINCINNATI SCREEN	S2-410 YELLOW	1	363	
09/27/81	CINCINNATI SCREEN	S2-21 BLUE	1	363	
09/27/81	CINCINNATI SCREEN	S2-411 RED	2	363	
10/29/81	CINCINNATI SCREEN	S2-411 RED	1	363	
10/29/81	CINCINNATI SCREEN	S2-24 BLACK	1	363	
10/29/81	CINCINNATI SCREEN	S2-410 YELLOW	1	363	
10/29/81	CINCINNATI SCREEN	S2-21 BLUE	1	363	
11/10/81	CINCINNATI SCREEN	S2-25 WHITE	6	363	
11/10/81	CINCINNATI SCREEN	S2-410 YELLOW	1	363	
11/10/81	CINCINNATI SCREEN	S2-19 RED	2	363	
02/01/82	CINCINNATI SCREEN	S2-19 RED	2	363	
02/01/82	CINCINNATI SCREEN	S2-24 BLACK	7	363	
03/04/82	CINCINNATI SCREEN	S2-19 RED	2	363	
03/04/82	CINCINNATI SCREEN	S2-25 WHITE	3	363	
03/04/82	CINCINNATI SCREEN	S2-24 BLACK	2	363	
06/01/82	CINCINNATI SCREEN	S2-25 WHITE	2	363	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
06/01/82	CINCINNATI SCREEN	S2-26 CLEAR	4	363	
06/01/82	CINCINNATI SCREEN	S2-24 BLACK	2	363	
06/18/82	CINCINNATI SCREEN	S2-22 BLUE	1	363	
06/18/82	CINCINNATI SCREEN	S2-13 GREEN	1	363	
06/22/82	CINCINNATI SCREEN	S2-411 RED	1	363	
06/22/82	CINCINNATI SCREEN	S2-21 BLUE	1	363	
06/22/82	CINCINNATI SCREEN	S2-19 RED	2	363	
					47
09/16/81	CINCINNATI SCREEN	B-18 RED	2	370	
11/24/81	CINCINNATI SCREEN	B-18 RED	2	370	
11/24/81	CINCINNATI SCREEN	B-19 RED	2	370	
04/15/82	CINCINNATI SCREEN	B-12 YELLOW	1	370	
					7
09/21/81	CINCINNATI SCREEN	B-24 BLACK	4	371	
09/21/81	CINCINNATI SCREEN	B-25 WHITE	8	371	
11/17/81	DECO CHEM	AMS 91 CLEAR	4	371	
01/15/82	CINCINNATI SCREEN	B-25 WHITE	4	371	
04/15/82	CINCINNATI SCREEN	B-25 WHITE	7	371	
06/15/82	CINCINNATI SCREEN	B-25 WHITE	8	371	
07/01/82	CINCINNATI SCREEN	B-24 BLACK	8	371	
02/22/83	CINCINNATI SCREEN	B-25 BLACK	8	371	
02/22/83	CINCINNATI SCREEN	B-24 WHITE	8	371	
					59
08/31/81	CHEM CENTRAL	SOLVENT #843 (959)	440	427	
10/02/81	CHEM CENTRAL	SOLVENT #843 (959)	550	427	
10/30/81	CHEM CENTRAL	SOLVENT #843 (959)	440	427	
11/10/81	CHEM CENTRAL	SOLVENT #843 (959)	165	427	
11/22/81	CHEM CENTRAL	SOLVENT #843 (959)	275	427	
12/18/81	CHEM CENTRAL	SOLVENT #843 (959)	440	427	
01/28/82	CHEM CENTRAL	SOLVENT #843 (959)	440	427	
02/17/82	CHEM CENTRAL	SOLVENT #843 (959)	220	427	
03/19/82	CHEM CENTRAL	SOLVENT #843 (959)	220	427	
07/07/82	CHEM CENTRAL	SOLVENT #843 (959)	220	427	
07/28/82	CHEM CENTRAL	SOLVENT #843 (959)	275	427	
08/13/82	CHEM CENTRAL	SOLVENT #843 (959)	330	427	
03/10/83	CHEM CENTRAL	SOLVENT #843 (959)	385	427	
05/25/83	CHEM CENTRAL	SOLVENT #843 (959)	550	427	
					4950
08/31/81	CHEM CENTRAL	SOLVENT #2166 (1526)	550	430	

Fiscal year 1981 Harardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
10/02/81	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
12/18/81	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
01/28/82	CHEM CENTRAL	SOLVENT #2166 (1526)	275	430	
02/17/82	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
03/19/82	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
04/22/82	CHEM CENTRAL	SOLVENT #2166 (1526)	440	430	
07/07/82	CHEM CENTRAL	SOLVENT #2166 (1526)	220	430	
07/28/82	CHEM CENTRAL	SOLVENT #2166 (1526)	385	430	
08/13/82	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
05/25/83	CHEM CENTRAL	SOLVENT #2166 (1526)	220	430	
					3740
05/26/82	ADVANCE PROCESS	THINNER T-900	1	448	
					1
12/07/81	ADVANCE PROCESS	REX LUMI-255	4	533	
01/29/82	ADVANCE PROCESS	BLACK REX-710	4	533	
08/16/82	ADVANCE PROCESS	RED REX-505	3	533	
08/17/82	ADVANCE PROCESS	RED REX-500	4	533	
08/18/82	ADVANCE PROCESS	BLACK JRP-710	1	533	
					16
08/18/82	ADVANCE PROCESS	ORANGE JRP-259	1	534	
					1

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][4][0]-[5][0]-[8]

Chemical: COPPER

Annual -> Process Usage (lbs): 9 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS
MSDS 363 * S2 SERIES NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][3][4][5][9][0]-[9][4]-[8]

Chemical: DIPROPYLENE GLYCOL METHYL ETHER

Annual -> Process Usage (lbs): 18 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 161 * ABS-455 BLUE
MSDS 158 * ABS-120 WHITE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][0]-[8][0]-[5]

Chemical: 2-ETHOXYETHANOL

Annual -> Process Usage (lbs): 514 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 222 * XLS-41 CATALYST

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][1]-[1][5]-[9]

Chemical: 2-ETHOXYETHYL ACETATE

Annual -> Process Usage (lbs): 105 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 174 * T-976 THINNER

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][8]-[1][0]-[1]

Chemical: HEXONE

Annual -> Process Usage (lbs): 418 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 077 * 1057 WHITE
MSDS 078 * 4615 YELLOW
MSDS 083 * 6285-D BLACK
MSDS 085 * 3164 RED
MSDS 284 * CV-L 294 SIZE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][3][9]-[9][2]-[1]

Chemical: LEAD

Annual -> Process Usage (lbs): 1068 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 534 * JRP (LEADED) INKS
MSDS 051 * 200-2 ACME INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][4][6]-[1][4]-[2]

Chemical: LEAD(II) SULFATE (1:1)

Annual -> Process Usage (lbs): 25 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS
MSDS 370 * THERMO-SET LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][7][5][8]-[9][7]-[6]

Chemical: LEAD CHROMATE(VI)

Annual -> Process Usage (lbs): 45 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 078 * 4615 YELLOW
MSDS 147 * ASG-220 YELLOW
MSDS 362 * S2 SERIES LEADED INKS
MSDS 370 * THERMO-SET LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][1][0][1][9][0]-[5][5]-[3]

Chemical: LEAD MOLYBDATE

Annual -> Process Usage (lbs): 3 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][6][7]-[5][6]-[1]

Chemical: METHANOL

Annual -> Process Usage (lbs): 296 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][5]-[0][9]-[2]

Chemical: METHYLENE CHLORIDE

Annual -> Process Usage (lbs): 3503 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF
MSDS 430 * SOLVENT 2166

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][8]-[9][3]-[3]

Chemical: METHYL ETHYL KETONE

Annual -> Process Usage (lbs): 405 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 303 * F63B13

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][7]-[9][8]-[2]

Chemical: PROPYLENE GLYCOL MONOMETHYL ETHER

Annual -> Process Usage (lbs): 5642 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 427 * SOLVENT 959
MSDS 161 * ABS-455 BLUE
MSDS 158 * ABS-120 WHITE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][8]-[8][8]-[3]

Chemical: TOLUENE

Annual -> Process Usage (lbs): 1236 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 300 * V66V27
MSDS 302 * R7K84
MSDS 303 * F63B13

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][6]-[1][3]-[1]

Chemical: 1,1,2-TRICHLOROTRIFLUOROETHANE

Annual -> Process Usage (lbs): 28971 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][1][3][3][0]-[2][0]-[7]

Chemical: XYLENE, MIXED ISOMERS

Annual -> Process Usage (lbs): 558 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 078 * 4615 YELLOW
MSDS 150 * ASG-710 BLACK
MSDS 169 * ADE-780 CLEAR
MSDS 303 * F63B13

10 1982 INVOICES

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 068 * CD-L 444	N/A	01/01/82	
ADQ: 778.0 MQ: 1555.0 APU: 1555.0 AOU: None			gal
MSDS 073 * CV-L 291 STRIP COAT	N/A	01/01/82	
ADQ: 220.0 MQ: 440.0 APU: 440.0 AOU: None			gal
MSDS 077 * 1057 WHITE	N/A	01/01/82	
ADQ: 27.0 MQ: 54.0 APU: 54.0 AOU: None			gal
MSDS 078 * 4615 YELLOW	N/A	01/01/82	
ADQ: 15.0 MQ: 30.0 APU: 30.0 AOU: None			gal
MSDS 081 * 5391 BRASS	N/A	01/01/82	
ADQ: 13.0 MQ: 25.0 APU: 25.0 AOU: None			gal
MSDS 083 * 6285-D BLACK	N/A	01/01/82	
ADQ: 102.0 MQ: 203.0 APU: 203.0 AOU: None			gal
085 * 3164 RED	N/A	01/01/82	
: 13.0 MQ: 25.0 APU: 25.0 AOU: None			gal
MSDS 097 * SYSTEM 2 THINNER	N/A	01/01/82	
ADQ: 15.0 MQ: 30.0 APU: 30.0 AOU: None			gal
MSDS 124 * 1139 BLACK	N/A	01/01/82	
ADQ: 20.0 MQ: 40.0 APU: 40.0 AOU: None			gal
MSDS 129 * 140-4506 BLACK	N/A	01/01/82	
ADQ: 35.0 MQ: 70.0 APU: 70.0 AOU: None			gal
MSDS 149 * ASG 500 RED	N/A	01/01/82	
ADQ: 1.0 MQ: 1.0 APU: 1.0 AOU: None			gal
MSDS 169 * ADE-780 CLEAR	N/A	01/01/82	
ADQ: 2.0 MQ: 3.0 APU: 3.0 AOU: None			gal
MSDS 221 * XLB-365 FLATTENING PASTE	N/A	01/01/82	
ADQ: 3.0 MQ: 5.0 APU: 5.0 AOU: None			gal
MSDS 227 * 86202-4113 BROWN	N/A	01/01/82	
ADQ: 28.0 MQ: 55.0 APU: 55.0 AOU: None			gal
MSDS 231 * T-SET HB CLEAR	N/A	01/01/82	
ADQ: 28.0 MQ: 56.0 APU: 56.0 AOU: None			gal
MSDS 242 * FREON TF	N/A	01/01/82	
ADQ: 1623.0 MQ: 3245.0 APU: 3245.0 AOU: None			gal

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 278 * 140-2303 RETARDER	N/A	01/01/82	
ADQ: 18.0 MQ: 35.0 APU: 35.0 AOU: None			gal
MSDS 284 * CV-L 294 SIZE	N/A	01/01/82	
ADQ: 711.0 MQ: 1422.0 APU: 1422.0 AOU: None			gal
MSDS 300 * V66V27	N/A	01/01/82	
ADQ: 49.0 MQ: 98.0 APU: 98.0 AOU: None			gal
MSDS 301 * F63T1	N/A	01/01/82	
ADQ: 31.0 MQ: 62.0 APU: 62.0 AOU: None			gal
MSDS 302 * R7K84	N/A	01/01/82	
ADQ: 75.0 MQ: 149.0 APU: 149.0 AOU: None			gal
MSDS 303 * F63B13	N/A	01/01/82	
ADQ: 122.0 MQ: 244.0 APU: 244.0 AOU: None			gal
MSDS 324 * MINERAL SPIRITS S-66	N/A	01/01/82	
Q: 330.0 MQ: 660.0 APU: 660.0 AOU: None			gal
MSDS 342 * 777-312 FLATTENING PASTE	N/A	01/01/82	
ADQ: 62.0 MQ: 124.0 APU: 124.0 AOU: None			gal
MSDS 426 * MINERAL SEAL OIL	N/A	01/01/82	
ADQ: 825.0 MQ: 1650.0 APU: 1650.0 AOU: None			gal
MSDS 427 * SOLVENT 959	N/A	01/01/82	
ADQ: 1898.0 MQ: 3795.0 APU: 3795.0 AOU: None			gal
MSDS 430 * SOLVENT 2166	N/A	01/01/82	
ADQ: 2145.0 MQ: 4290.0 APU: 4290.0 AOU: None			gal
MSDS 533 * JRP (NO LEAD) INKS	N/A	01/01/82	
ADQ: 10.0 MQ: 20.0 APU: 20.0 AOU: None			gal
MSDS 051 * 200-2 ACME INKS	N/A	01/01/82	
ADQ: 1015.0 MQ: 2030.0 APU: 2030.0 AOU: None			lb
MSDS 050 * 200-1 ACME INKS	N/A	01/01/82	
ADQ: 1800.0 MQ: 3600.0 APU: 3600.0 AOU: None			lb
MSDS 173 * ASG-432 BASE	N/A	01/01/82	
ADQ: 1.0 MQ: 2.0 APU: 2.0 AOU: None			gal
MSDS 153 * ASG-800 CLEAR	N/A	01/01/82	
ADQ: 3.0 MQ: 5.0 APU: 5.0 AOU: None			gal

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 146 * ASG-200 YELLOW	N/A	01/01/82	
ADQ: 1.0 MQ: 2.0 APU: 2.0	AOU: None		gal
MSDS 293 * B-31 RETARDER	N/A	01/01/82	
ADQ: 10.0 MQ: 20.0 APU: 20.0	AOU: None		gal
MSDS 290 * B-30 THINNER	N/A	01/01/82	
ADQ: 11.0 MQ: 22.0 APU: 22.0	AOU: None		gal
MSDS 062 * LUMI REX 333 GREEN	N/A	01/01/82	
ADQ: 1.0 MQ: 2.0 APU: 2.0	AOU: None		gal
MSDS 063 * LUMI REX 288 ORANGE	N/A	01/01/82	
ADQ: 1.0 MQ: 2.0 APU: 2.0	AOU: None		gal
MSDS 096 * S2 RETARDER	N/A	01/01/82	
ADQ: 5.0 MQ: 10.0 APU: 10.0	AOU: None		gal
MSDS 362 * S2 SERIES LEADED INKS	N/A	01/01/82	
ADQ: 14.0 MQ: 28.0 APU: 28.0	AOU: None		gal
MSDS 363 * S2 SERIES NON LEADED INKS	N/A	01/01/82	
ADQ: 29.0 MQ: 58.0 APU: 58.0	AOU: None		gal
MSDS 370 * THERMO-SET LEADED INKS	N/A	01/01/82	
ADQ: 12.0 MQ: 24.0 APU: 24.0	AOU: None		gal
MSDS 371 * THERMO-SET NON LEADED INKS	N/A	01/01/82	
ADQ: 110.0 MQ: 219.0 APU: 219.0	AOU: None		gal
MSDS 114 * 140-1167 THINNER	N/A	01/01/82	
ADQ: 12.0 MQ: 23.0 APU: 23.0	AOU: None		gal
MSDS 174 * T-976 THINNER	N/A	01/01/82	
ADQ: 4.0 MQ: 8.0 APU: 8.0	AOU: None		gal
MSDS 179 * T-910 THINNER	N/A	01/01/82	
ADQ: 4.0 MQ: 8.0 APU: 8.0	AOU: None		gal

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
09/13/82	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
01/21/83	CHEM CENTRAL	MINERAL SEAL OIL	110	12	
01/26/83	CHEM CENTRAL	MINERAL SEAL OIL	440	12	
06/23/83	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
					1650
08/21/82	BLACKERS (ACME)	WHITE 269421	13	50	
08/27/82	BLACKERS (ACME)	ANTI-OXIDENT 845-A	1	50	
08/27/82	BLACKERS (ACME)	BLACK 605	11	50	
08/27/82	BLACKERS (ACME)	BROWN 241641	10	50	
09/13/82	ACME INK	BLACK M30829A	11	50	
10/13/82	BLACKERS (ACME)	WHITE 246302	13	50	
12/13/82	BLACKERS (ACME)	BLACK 605	12	50	
12/13/82	BLACKERS (ACME)	BROWN 251651	8	50	
12/13/82	BLACKERS (ACME)	WHITE 246302	17	50	
12/13/82	ACME INK	BLACK M30829A	12	50	
12/13/82	BLACKERS (ACME)	WHITE 269421	10	50	
12/27/82	ACME INK	BLUE M83375	12	50	
01/05/83	BLACKERS (ACME)	WHITE 269421	19	50	
01/28/83	BLACKERS (ACME)	WHITE 269421	28	50	
01/28/83	BLACKERS (ACME)	VARNISH #OO	10	50	
01/28/83	BLACKERS (ACME)	WHITE 246302	31	50	
02/10/83	BLACKERS (ACME)	BLACK 605	30	50	
03/17/83	ACME INK	BLACK M30829A	19	50	
03/31/83	ACME INK	BLACK M30829A	20	50	
05/10/83	BLACKERS (ACME)	WHITE 269421	9	50	
05/17/83	BLACKERS (ACME)	VARNISH #1510	5	50	
07/12/83	BLACKERS (ACME)	ANTI-OXIDENT 845-A	1	50	
07/12/83	BLACKERS (ACME)	VARNISH #00	13	50	
07/12/83	BLACKERS (ACME)	WHITE 246302	20	50	
07/28/83	BLACKERS (ACME)	BLACK 605	10	50	
07/28/83	BLACKERS (ACME)	WHITE 269421	15	50	
					360
08/21/82	BLACKERS (ACME)	RED 241181	6	51	
09/12/82	BLACKERS (ACME)	RED 241181	4	51	
09/13/82	ACME INK	REDUCER VV167	6	51	
10/13/82	BLACKERS (ACME)	PLASTICIZER 1368	10	51	
10/13/82	BLACKERS (ACME)	YELLOW 241061	12	51	
12/13/82	BLACKERS (ACME)	RED 241191	8	51	
12/27/82	ACME INK	CHROME M83377	10	51	
12/27/82	ACME INK	RED M83480	16	51	
01/17/83	BLACKERS (ACME)	YELLOW 241061	16	51	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
01/17/83	BLACKERS (ACME)	RED 176111	14	51	
05/10/83	BLACKERS (ACME)	YELLOW 241061	20	51	
05/19/83	ACME INK	YELLOW M83377	16	51	
05/19/83	ACME INK	RED M83480	16	51	
05/24/83	BLACKERS (ACME)	PLASTICIZER #1368	17	51	
06/03/83	BLACKERS (ACME)	YELLOW 241631	12	51	
07/12/83	BLACKERS (ACME)	GOLD 297941	10	51	
07/28/83	BLACKERS (ACME)	YELLOW 241061	10	51	
					203
02/07/83	ADVANCE PROCESS	REX LUMI-333	2	62	
					2
02/07/83	ADVANCE PROCESS	REX LUMI-288	2	63	
					2
11/23/82	EGYPTIAN LACQUER	LACQUER CD-L 444	337	68	
01/21/83	EGYPTIAN LACQUER	LACQUER CD-L 444	339	68	
03/29/83	EGYPTIAN LACQUER	LACQUER CD-L 444	275	68	
05/24/83	EGYPTIAN LACQUER	LACQUER CD-L 444	294	68	
07/14/83	EGYPTIAN LACQUER	LACQUER CD-L 444	310	68	
					1555
10/04/82	EGYPTIAN LACQUER	STRIP OFF CV-L 291	110	73	
01/20/83	EGYPTIAN LACQUER	STRIP OFF CV-L 291	110	73	
05/27/83	EGYPTIAN LACQUER	STRIP OFF CV-L 291	110	73	
07/29/83	EGYPTIAN LACQUER	STRIP OFF CV-L 291	110	73	
					440
08/30/83	LILLY	FLOWING AGENT 9360	5	74	
					5
12/14/82	LILLY	WHITE 1057	54	77	
					54
09/16/82	LILLY	YELLOW 70-30	15	78	
05/17/83	LILLY	YELLOW 70-30	15	78	
					30
09/01/82	LILLY	BRASS 85/15	25	81	
					25
09/29/82	LILLY	BLACK 6285-D	40	83	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
12/14/82	LILLY	BLACK 6285-D	50	83	
03/24/83	LILLY	BLACK 6285-D	58	83	
06/15/83	LILLY	BLACK 6285-D	55	83	
					203
06/28/83	LILLY	RED 3164	25	85	
					25
11/12/82	CINCINNATI SCREEN	S2-31 RETARDER	4	96	
07/13/83	CINCINNATI SCREEN	S2-31 RETARDER	4	96	
08/11/83	CINCINNATI SCREEN	S2-31 RETARDER	2	96	
					10
11/12/82	CINCINNATI SCREEN	S2-30 THINNER	4	97	
01/05/83	CINCINNATI SCREEN	S2-30 THINNER	2	97	
03/01/83	CINCINNATI SCREEN	S2-30 THINNER	6	97	
03/21/83	CINCINNATI SCREEN	S2-30 THINNER	2	97	
05/03/83	CINCINNATI SCREEN	S2-30 THINNER	4	97	
06/09/83	CINCINNATI SCREEN	S2-30 THINNER	4	97	
07/11/83	CINCINNATI SCREEN	S2-30 THINNER	4	97	
08/11/83	CINCINNATI SCREEN	S2-30 THINNER	4	97	
					30
10/07/82	GENERAL FORMULATIO	THINNER 140-1167	10	114	
01/18/83	GENERAL FORMULATIO	THINNER 140-1167	5	114	
04/07/83	GENERAL FORMULATIO	THINNER 140-1167	8	114	
					23
10/07/82	GENERAL FORMULATIO	BLACK 140-1139	10	124	
11/17/82	GENERAL FORMULATIO	BLACK 140-1139	10	124	
01/18/83	GENERAL FORMULATIO	BLACK 140-1139	10	124	
04/07/83	GENERAL FORMULATIO	BLACK 140-1139	10	124	
					40
11/17/82	GENERAL FORMULATIO	BLACK 140-4506	40	129	
01/18/83	GENERAL FORMULATIO	BLACK 140-4506	15	129	
03/25/83	GENERAL FORMULATIO	BLACK 140-4506	15	129	
					70
05/11/83	ADVANCE PROCESS	YELLOW ASG-220	2	146	
					2
11/12/82	ADVANCE PROCESS	RED ASG-500	1	149	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
					1
11/12/82	ADVANCE PROCESS	ABS-800 CLEAR	2	153	
11/15/82	ADVANCE PROCESS	ABS-800 CLEAR	2	153	
05/31/83	ADVANCE PROCESS	BASE RAGE-780	1	153	
					5
05/31/83	ADVANCE PROCESS	CLEAR ADE-800	1	169	
05/31/83	ADVANCE PROCESS	CLEAR RAGE-800	1	169	
05/31/83	ADVANCE PROCESS	BASE ADE-780	1	169	
					3
11/12/82	ADVANCE PROCESS	BLUE ASG-432	1	173	
11/15/82	ADVANCE PROCESS	BLUE ASG-432	1	173	
					2
11/12/82	ADVANCE PROCESS	THINNER T-976	4	174	
02/07/83	ADVANCE PROCESS	THINNER T-976	4	174	
05/11/83	ADVANCE PROCESS	THINNER T-976	6	174	
05/31/83	ADVANCE PROCESS	THINNER T-976	1	174	
08/12/83	ADVANCE PROCESS	THINNER T-976	8	174	
					8
02/07/83	ADVANCE PROCESS	THINNER T-910	8	179	
					8
09/01/82	LILLY	BROWN 81202-659	55	227	
					55
08/27/82	CINCINNATI SCREEN	CLEAR 102810	14	231	
12/02/82	CINCINNATI SCREEN	CLEAR 102810	11	231	
02/18/83	CINCINNATI SCREEN	CLEAR 102810	15	231	
05/04/83	CINCINNATI SCREEN	CLEAR 102810	16	231	
					56
08/24/82	McKESSON CHEMICAL	FREON	165	242	
09/10/82	McKESSON CHEMICAL	FREON	165	242	
10/08/82	McKESSON CHEMICAL	FREON	165	242	
10/25/82	McKESSON CHEMICAL	FREON	275	242	
11/16/82	McKESSON CHEMICAL	FREON	165	242	
12/08/82	McKESSON CHEMICAL	FREON	165	242	
12/22/82	McKESSON CHEMICAL	FREON	165	242	
01/19/83	McKESSON CHEMICAL	FREON	165	242	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
01/31/83	McKESSON CHEMICAL	FREON	165	242	
02/18/83	McKESSON CHEMICAL	FREON	165	242	
03/03/83	McKESSON CHEMICAL	FREON	165	242	
03/16/83	McKESSON CHEMICAL	FREON	165	242	
03/31/83	McKESSON CHEMICAL	FREON	165	242	
04/19/83	McKESSON CHEMICAL	FREON	165	242	
05/05/83	McKESSON CHEMICAL	FREON	165	242	
05/19/83	McKESSON CHEMICAL	FREON	165	242	
06/15/83	McKESSON CHEMICAL	FREON	165	242	
06/28/83	McKESSON CHEMICAL	FREON	165	242	
07/08/83	McKESSON CHEMICAL	FREON	165	242	
					3245
11/17/82	GENERAL FORMULATIO	WASH UP 140-2303	15	278	
01/18/83	GENERAL FORMULATIO	WASH UP 140-2303	10	278	
05/09/83	GENERAL FORMULATIO	WASH UP 140-2303	10	278	
					35
09/01/82	EGYPTIAN LACQUER	SIZE CV-L 294	55	284	
10/07/82	LILLY	SIZE 78	273	284	
02/09/83	EGYPTIAN LACQUER	SIZE CV-L 294	275	284	
04/15/83	EGYPTIAN LACQUER	SIZE CV-L 294	275	284	
06/02/83	EGYPTIAN LACQUER	SIZE CV-L 294	275	284	
07/29/83	EGYPTIAN LACQUER	SIZE CV-L 294	269	284	
					1422
03/11/83	CINCINNATI SCREEN	B-30 THINNER	8	290	
05/24/83	CINCINNATI SCREEN	B-30 THINNER	2	290	
06/27/83	CINCINNATI SCREEN	B-30 THINNER	4	290	
08/01/83	CINCINNATI SCREEN	B-30 THINNER	5	290	
08/10/83	CINCINNATI SCREEN	B-30 THINNER	3	290	
					22
03/11/83	CINCINNATI SCREEN	B-31 RETARDER	1	293	
03/25/83	CINCINNATI SCREEN	B-31 RETARDER	7	293	
06/27/83	CINCINNATI SCREEN	B-31 RETARDER	4	293	
08/01/83	CINCINNATI SCREEN	B-31 RETARDER	8	293	
					20
08/26/82	SHERWIN WILLIAMS	R7K84	10	300	
10/01/82	SHERWIN WILLIAMS	R7K84	10	300	
10/07/82	SHERWIN WILLIAMS	R7K84	10	300	
10/19/82	SHERWIN WILLIAMS	R7K84	10	300	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
12/21/82	SHERWIN WILLIAMS	R7K84	10	300	
01/26/83	SHERWIN WILLIAMS	R7K84	5	300	
05/11/83	SHERWIN WILLIAMS	R7K84	3	300	
06/23/83	SHERWIN WILLIAMS	R7K84	10	300	
07/07/83	SHERWIN WILLIAMS	R7K84	15	300	
10/19/83	SHERWIN WILLIAMS	R7K84	15	300	
					98
10/01/82	SHERWIN WILLIAMS	V66V27	2	301	
10/07/82	SHERWIN WILLIAMS	V66V27	10	301	
10/19/82	SHERWIN WILLIAMS	V66V27	4	301	
10/19/82	SHERWIN WILLIAMS	V66V27	4	301	
04/12/83	SHERWIN WILLIAMS	V66V27	4	301	
04/12/83	SHERWIN WILLIAMS	V66V27	24	301	
05/03/83	SHERWIN WILLIAMS	V66V27	1	301	
05/11/83	SHERWIN WILLIAMS	V66V27	3	301	
05/11/83	SHERWIN WILLIAMS	V66V27	5	301	
06/09/83	SHERWIN WILLIAMS	V66V27	2	301	
06/23/83	SHERWIN WILLIAMS	V66V27	3	301	
					62
08/26/82	SHERWIN WILLIAMS	F63T1	12	302	
10/01/82	SHERWIN WILLIAMS	F63T1	12	302	
10/07/82	SHERWIN WILLIAMS	F63T1	20	302	
10/19/82	SHERWIN WILLIAMS	F63T1	20	302	
12/05/82	SHERWIN WILLIAMS	F63T1	8	302	
12/21/82	SHERWIN WILLIAMS	F63T1	12	302	
01/26/83	SHERWIN WILLIAMS	F63T1	15	302	
04/12/83	SHERWIN WILLIAMS	F63T1	10	302	
06/09/83	SHERWIN WILLIAMS	F63T1	12	302	
06/23/83	SHERWIN WILLIAMS	F63T1	16	302	
07/07/83	SHERWIN WILLIAMS	F63T1	12	302	
					149
08/26/82	SHERWIN WILLIAMS	F63B13	12	303	
10/01/82	SHERWIN WILLIAMS	F63B13	12	303	
10/07/82	SHERWIN WILLIAMS	F63B13	24	303	
10/19/82	SHERWIN WILLIAMS	F63B13	4	303	
10/19/82	SHERWIN WILLIAMS	F63B13	24	303	
11/23/82	SHERWIN WILLIAMS	B31WC70	4	303	
12/21/82	SHERWIN WILLIAMS	F63B13	20	303	
01/26/83	SHERWIN WILLIAMS	F63B13	15	303	
04/05/83	SHERWIN WILLIAMS	B31WC70	8	303	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
04/12/83	SHERWIN WILLIAMS	F63B13	24	303	
05/11/83	SHERWIN WILLIAMS	F63B13	16	303	
06/09/83	SHERWIN WILLIAMS	F63B13	12	303	
06/23/83	SHERWIN WILLIAMS	F63B13	16	303	
07/07/83	SHERWIN WILLIAMS	F63B13	12	303	
					203
09/22/82	CHEM CENTRAL	SOLVENT #66 (STODDAR	55	324	
10/14/82	CHEM CENTRAL	SOLVENT #66 (STODDAR	55	324	
01/24/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
03/15/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
05/09/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
06/03/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	55	324	
06/28/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	55	324	
12/03/83	CHEM CENTRAL	SOLVENT #66 (STODDAR	110	324	
					660
10/04/82	EGYPTIAN LACQUER	FLAT. PASTE XLB-365	24	342	
12/07/82	EGYPTIAN LACQUER	FLAT. PASTE XLB-365	50	342	
04/13/83	EGYPTIAN LACQUER	FLAT. PASTE XLB-365	50	342	
					124
10/22/82	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
01/05/83	CINCINNATI SCREEN	S2-19 RED	2	362	
03/01/83	CINCINNATI SCREEN	S2-14 BLACK	2	362	
03/01/83	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
03/01/83	CINCINNATI SCREEN	S2-19 RED	1	362	
03/01/83	CINCINNATI SCREEN	S2-18 RED	2	362	
03/21/83	CINCINNATI SCREEN	S2-410 YELLOW	1	362	
05/03/83	CINCINNATI SCREEN	S2-19 RED	2	362	
05/03/83	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
06/09/83	CINCINNATI SCREEN	S2-418 RHODAMINE	1	362	
06/15/83	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
06/15/83	CINCINNATI SCREEN	S2-18 RED	4	362	
06/20/83	CINCINNATI SCREEN	S2-19 RED	2	362	
07/11/83	CINCINNATI SCREEN	S2-411 RED	1	362	
08/11/83	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
					28
10/22/82	CINCINNATI SCREEN	SC-25 WHITE	2	363	
10/22/82	CINCINNATI SCREEN	S2-24 BLACK	6	363	
01/05/83	CINCINNATI SCREEN	S2-26 CLEAR	2	363	
01/05/83	CINCINNATI SCREEN	S2-25 WHITE	2	363	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
01/05/83	CINCINNATI SCREEN	S2-24 BLACK	3	363	
03/01/83	CINCINNATI SCREEN	S2-25 WHITE	3	363	
03/01/83	CINCINNATI SCREEN	S2-26 CLEAR	2	363	
03/21/83	CINCINNATI SCREEN	S2-48 FLAT. PASTE	1	363	
03/21/83	CINCINNATI SCREEN	S2-25 WHITE	2	363	
03/21/83	CINCINNATI SCREEN	S2-24 BLACK	2	363	
03/21/83	CINCINNATI SCREEN	S2-26 CLEAR	2	363	
05/03/83	CINCINNATI SCREEN	S2-26 CLEAR	3	363	
05/03/83	CINCINNATI SCREEN	S2-24 BLACK	4	363	
06/09/83	CINCINNATI SCREEN	S2-25 WHITE	2	363	
06/09/83	CINCINNATI SCREEN	S2-26 CLEAR	6	363	
07/11/83	CINCINNATI SCREEN	S2-25 WHITE	5	363	
07/11/83	CINCINNATI SCREEN	S2-24 BLACK	5	363	
08/11/83	CINCINNATI SCREEN	S2-24 BLACK	6	363	
					58
11/19/82	CINCINNATI SCREEN	B-19 RED	4	370	
12/07/82	CINCINNATI SCREEN	B-18 RED	3	370	
12/14/82	CINCINNATI SCREEN	B-18 RED	1	370	
04/01/83	CINCINNATI SCREEN	B-19 RED	4	370	
04/20/83	CINCINNATI SCREEN	B-20 ORANGE	2	370	
05/03/83	CINCINNATI SCREEN	B-19 RED	2	370	
06/01/83	CINCINNATI SCREEN	B-18 RED	2	370	
06/27/83	CINCINNATI SCREEN	B-20 ORANGE	2	370	
06/27/83	CINCINNATI SCREEN	B-19 RED	1	370	
07/07/83	CINCINNATI SCREEN	B-18 RED	2	370	
07/19/83	CINCINNATI SCREEN	B-19 RED	1	370	
					24
09/17/82	CINCINNATI SCREEN	B-15 WHITE	8	371	
09/22/82	ADVANCE PROCESS	BLACK ASG-710	10	371	
09/24/82	ADVANCE PROCESS	BLACK ASG-710	10	371	
11/12/82	ADVANCE PROCESS	BLACK ASG-710	8	371	
11/12/82	CINCINNATI SCREEN	B-24 BLACK	8	371	
11/15/82	ADVANCE PROCESS	BLACK ASG-710	8	371	
12/14/82	CINCINNATI SCREEN	B-25 WHITE	4	371	
02/03/83	CINCINNATI SCREEN	B-24 BLACK	8	371	
02/03/83	CINCINNATI SCREEN	B-25 WHITE	4	371	
02/07/83	CINCINNATI SCREEN	B-24 BLACK	8	371	
02/07/83	CINCINNATI SCREEN	B-25 WHITE	2	371	
02/18/83	CINCINNATI SCREEN	AS-27 CLEAR	1	371	
02/18/83	CINCINNATI SCREEN	AS-25 WHITE	1	371	
02/18/83	CINCINNATI SCREEN	AS-24 BLACK	1	371	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
02/18/83	CINCINNATI SCREEN	AS-20 THINNER	1	371	
03/11/83	CINCINNATI SCREEN	B-25 WHITE	3	371	
03/25/83	CINCINNATI SCREEN	B-25 WHITE	5	371	
03/31/83	ADVANCE PROCESS	BLACK ASG-710	10	371	
04/01/83	CINCINNATI SCREEN	B-24 BLACK	8	371	
04/01/83	CINCINNATI SCREEN	B-22 BLUE	2	371	
04/20/83	CINCINNATI SCREEN	B-25 WHITE	8	371	
05/03/83	CINCINNATI SCREEN	B-12 YELLOW	1	371	
05/03/83	CINCINNATI SCREEN	B-25 WHITE	1	371	
05/03/83	CINCINNATI SCREEN	B-24 BLACK	3	371	
05/11/83	ADVANCE PROCESS	BLACK ASG-710	10	371	
05/20/83	CINCINNATI SCREEN	B-25 WHITE	4	371	
05/24/83	CINCINNATI SCREEN	B-27 CLEAR	2	371	
06/01/83	CINCINNATI SCREEN	B-22 BLUE	2	371	
06/27/83	CINCINNATI SCREEN	B-25 WHITE	8	371	
06/27/83	CINCINNATI SCREEN	B-12 YELLOW	2	371	
06/27/83	CINCINNATI SCREEN	B-24 BLACK	8	371	
07/08/83	ADVANCE PROCESS	BLACK ASG-710	5	371	
07/11/83	CINCINNATI SCREEN	B-26 CLEAR	15	371	
08/08/83	ADVANCE PROCESS	BLACK ASG-710	20	371	
08/15/83	CINCINNATI SCREEN	B-14 BLACK	8	371	
08/15/83	CINCINNATI SCREEN	B-25 WHITE	4	371	
08/18/83	CINCINNATI SCREEN	B-25 WHITE	8	371	
					219
09/22/82	CHEM CENTRAL	SOLVENT #959 (843)	275	427	
10/14/82	CHEM CENTRAL	SOLVENT #959 (843)	275	427	
11/09/82	CHEM CENTRAL	SOLVENT #959 (843)	330	427	
01/24/83	CHEM CENTRAL	SOLVENT #959 (843)	165	427	
02/22/83	CHEM CENTRAL	SOLVENT #959 (843)	275	427	
03/15/83	CHEM CENTRAL	SOLVENT #959 (843)	330	427	
04/18/83	CHEM CENTRAL	SOLVENT #959 (843)	385	427	
05/09/83	CHEM CENTRAL	SOLVENT #959 (843)	330	427	
06/03/83	CHEM CENTRAL	SOLVENT #959 (843)	220	427	
06/28/83	CHEM CENTRAL	SOLVENT #959 (843)	385	427	
07/19/83	CHEM CENTRAL	SOLVENT #959 (843)	220	427	
12/03/83	CHEM CENTRAL	SOLVENT #959 (843)	440	427	
12/25/83	CHEM CENTRAL	SOLVENT #959 (843)	165	427	
					3795
09/22/82	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
10/14/82	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
11/09/82	CHEM CENTRAL	SOLVENT #2166 (1526)	220	430	

Fiscal year 1982 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
01/24/83	CHEM CENTRAL	SOLVENT #2166 (1526)	385	430	
02/22/83	CHEM CENTRAL	SOLVENT #2166 (1526)	385	430	
03/15/83	CHEM CENTRAL	SOLVENT #2166 (1526)	165	430	
04/18/83	CHEM CENTRAL	SOLVENT #2166 (1526)	275	430	
05/09/83	CHEM CENTRAL	SOLVENT #2166 (1526)	385	430	
06/03/83	CHEM CENTRAL	SOLVENT #2166 (1526)	385	430	
06/28/83	CHEM CENTRAL	SOLVENT #2166 (1526)	440	430	
07/19/83	CHEM CENTRAL	SOLVENT #2166 (1526)	330	430	
12/03/83	CHEM CENTRAL	SOLVENT #2166 (1526)	275	430	
12/25/83	CHEM CENTRAL	SOLVENT #2166 (1526)	385	430	
					4290
12/15/82	ADVANCE PROCESS	BLACK RAGE-710	2	533	
02/07/83	ADVANCE PROCESS	BLACK RAGE-710	6	533	
02/21/83	ADVANCE PROCESS	BLACK REX-710	8	533	
05/23/83	ADVANCE PROCESS	RED REX-500	2	533	
05/24/83	ADVANCE PROCESS	RED REX-505	2	533	
					20

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][6][7]-[6][4]-[1]

Chemical: ACETONE

Annual -> Process Usage (lbs): 4810 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 430 * SOLVENT 2166

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][7][2][7]-[4][3]-[7]

Chemical: BARIUM SULFATE

Annual -> Process Usage (lbs): 128 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 370 * THERMO-SET LEADED INKS
MSDS 371 * THERMO-SET NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][1]-[4][3]-[2]

Chemical: BENZENE

Annual -> Process Usage (lbs): 43 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 324 * MINERAL SPIRITS S-66

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][1]-[7][6]-[2]

Chemical: 2-BUTOXYETHANOL

Annual -> Process Usage (lbs): 755 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 081 * 5391 BRASS
MSDS 169 * ADE-780 CLEAR
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 284 * CV-L 294 SIZE
MSDS 342 * 777-312 FLATTENING PASTE
MSDS 173 * ASG-432 BASE
MSDS 146 * ASG-200 YELLOW
MSDS 293 * B-31 RETARDER

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][1]-[3][6]-[3]

Chemical: N-BUTYL ALCOHOL

Annual -> Process Usage (lbs): 850 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 231 * T-SET HB CLEAR
MSDS 370 * THERMO-SET LEADED INKS
MSDS 371 * THERMO-SET NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][4][0]-[5][0]-[8]

Chemical: COPPER

Annual -> Process Usage (lbs): 13 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS
MSDS 363 * S2 SERIES NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][6][7]-[6][4]-[1]

Chemical: ACETONE

Annual -> Process Usage (lbs): 4193 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 430 * SOLVENT 2166

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][7][2][7]-[4][3]-[7]

Chemical: BARIUM SULFATE

Annual -> Process Usage (lbs): 35 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 370 * THERMO-SET LEADED INKS
MSDS 371 * THERMO-SET NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][1]-[4][3]-[2]

Chemical: BENZENE

Annual -> Process Usage (lbs): 61 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 324 * MINERAL SPIRITS S-66

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][1]-[7][6]-[2]

Chemical: 2-BUTOXYETHANOL

Annual -> Process Usage (lbs): 959 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 150 * ASG-710 BLACK
MSDS 169 * ADE-780 CLEAR
MSDS 189 * 3102 GLOSKIL
MSDS 284 * CV-L 294 SIZE
MSDS 294 * ER-62377 RETARDER
MSDS 147 * ASG-220 YELLOW
MSDS 293 * B-31 RETARDER
MSDS 055 * ER 4026 BLUE RESIST

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][1]-[3][6]-[3]

Chemical: N-BUTYL ALCOHOL

Annual -> Process Usage (lbs): 752 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 222 * XLS-41 CATALYST
MSDS 370 * THERMO-SET LEADED INKS
MSDS 371 * THERMO-SET NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][4][0]-[4][7]-[3]

Chemical: CHROMIUM

Annual -> Process Usage (lbs): 0 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 534 * JRP (LEADED) INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][3][4][5][9][0]-[9][4]-[8]

Chemical: DIPROPYLENE GLYCOL METHYL ETHER

Annual -> Process Usage (lbs): 9 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 153 * ASG-800 CLEAR

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][0]-[8][0]-[5]

Chemical: 2-ETHOXYETHANOL

Annual -> Process Usage (lbs): 2 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 149 * ASG 500 RED

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][1]-[1][5]-[9]

Chemical: 2-ETHOXYETHYL ACETATE

Annual -> Process Usage (lbs): 65 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 174 * T-976 THINNER

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][5][0]-[0][0]-[0]

Chemical: FORMALDEHYDE

Annual -> Process Usage (lbs): 0 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 062 * LUMI REX 333 GREEN
MSDS 063 * LUMI REX 288 ORANGE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][8]-[1][0]-[1]

Chemical: HEXONE

Annual -> Process Usage (lbs): 362 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 077 * 1057 WHITE
MSDS 078 * 4615 YELLOW
MSDS 083 * 6285-D BLACK
MSDS 085 * 3164 RED
MSDS 284 * CV-L 294 SIZE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][3][9]-[9][2]-[1]

Chemical: LEAD

Annual -> Process Usage (lbs): 1177 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 051 * 200-2 ACME INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][4][6]-[1][4]-[2]

Chemical: LEAD(II) SULFATE (1:1)

Annual -> Process Usage (lbs): 75 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS
MSDS 370 * THERMO-SET LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][7][5][8]-[9][7]-[6]

Chemical: LEAD CHROMATE(VI)

Annual -> Process Usage (lbs): 86 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 078 * 4615 YELLOW
MSDS 149 * ASG 500 RED
MSDS 146 * ASG-200 YELLOW
MSDS 362 * S2 SERIES LEADED INKS
MSDS 370 * THERMO-SET LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][1][0][1][9][0]-[5][5]-[3]

Chemical: LEAD MOLYBDATE

Annual -> Process Usage (lbs): 7 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][6][7]-[5][6]-[1]

Chemical: METHANOL

Annual -> Process Usage (lbs): 425 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][5]-[0][9]-[2]

Chemical: METHYLENE CHLORIDE

Annual -> Process Usage (lbs): 4103 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF
MSDS 430 * SOLVENT 2166

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][8]-[9][3]-[3]

Chemical: METHYL ETHYL KETONE

Annual -> Process Usage (lbs): 405 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 303 * F63B13

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][7]-[9][8]-[2]

Chemical: PROPYLENE GLYCOL MONOMETHYL ETHER

Annual -> Process Usage (lbs): 4349 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 342 * 777-312 FLATTENING PASTE
MSDS 427 * SOLVENT 959
MSDS 153 * ASG-800 CLEAR

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][8]-[8][8]-[3]

Chemical: TOLUENE

Annual -> Process Usage (lbs): 1640 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 300 * V66V27
MSDS 302 * R7K84
MSDS 303 * F63B13
MSDS 342 * 777-312 FLATTENING PASTE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][6]-[1][3]-[1]

Chemical: 1,1,2-TRICHLOROTRIFLUOROETHANE

Annual -> Process Usage (lbs): 41690 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][1][3][3][0]-[2][0]-[7]

Chemical: XYLENE, MIXED ISOMERS

Annual -> Process Usage (lbs): 742 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 078 * 4615 YELLOW
MSDS 169 * ADE-780 CLEAR
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 303 * F63B13
MSDS 342 * 777-312 FLATTENING PASTE

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Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 068 * CD-L 444	N/A	01/01/83	
ADQ: 778.0 MQ: 1555.0 APU: 1555.0 AOU: None			gal
MSDS 073 * CV-L 291 STRIP COAT	N/A	01/01/83	
ADQ: 554.0 MQ: 1107.0 APU: 1107.0 AOU: None			gal
MSDS 077 * 1057 WHITE	N/A	01/01/83	
ADQ: 27.0 MQ: 54.0 APU: 54.0 AOU: None			gal
MSDS 078 * 4615 YELLOW	N/A	01/01/83	
ADQ: 25.0 MQ: 49.0 APU: 49.0 AOU: None			gal
MSDS 083 * 6285-D BLACK	N/A	01/01/83	
ADQ: 235.0 MQ: 470.0 APU: 470.0 AOU: None			gal
MSDS 085 * 3164 RED	N/A	01/01/83	
ADQ: 13.0 MQ: 25.0 APU: 25.0 AOU: None			gal
DS 094 * 8440-D VARNISH	N/A	01/01/83	
DQ: 5.0 MQ: 10.0 APU: 10.0 AOU: None			gal
MSDS 097 * SYSTEM 2 THINNER	N/A	01/01/83	
ADQ: 40.0 MQ: 80.0 APU: 80.0 AOU: None			gal
MSDS 124 * 1139 BLACK	N/A	01/01/83	
ADQ: 23.0 MQ: 45.0 APU: 45.0 AOU: None			gal
MSDS 129 * 140-4506 BLACK	N/A	01/01/83	
ADQ: 16.0 MQ: 32.0 APU: 32.0 AOU: None			gal
MSDS 154 * ABS-170 BLACK	N/A	01/01/83	
ADQ: 42.0 MQ: 83.0 APU: 83.0 AOU: None			gal
MSDS 221 * XLB-365 FLATTENING PASTE	N/A	01/01/83	
ADQ: 68.0 MQ: 136.0 APU: 136.0 AOU: None			gal
MSDS 227 * 86202-4113 BROWN	N/A	01/01/83	
ADQ: 10.0 MQ: 19.0 APU: 19.0 AOU: None			gal
MSDS 242 * FREON TF	N/A	01/01/83	
ADQ: 1623.0 MQ: 3245.0 APU: 3245.0 AOU: None			gal
MSDS 278 * 140-2303 RETARDER	N/A	01/01/83	
DQ: 18.0 MQ: 35.0 APU: 35.0 AOU: None			gal
MSDS 284 * CV-L 294 SIZE	N/A	01/01/83	
ADQ: 676.0 MQ: 1351.0 APU: 1351.0 AOU: None			gal

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 300 * V66V27	N/A	01/01/83	
ADQ: 40.0 MQ: 80.0 APU: 80.0	AOU: None		gal
MSDS 301 * F63T1	N/A	01/01/83	
ADQ: 15.0 MQ: 29.0 APU: 29.0	AOU: None		gal
MSDS 302 * R7K84	N/A	01/01/83	
ADQ: 91.0 MQ: 182.0 APU: 182.0	AOU: None		gal
MSDS 303 * F63B13	N/A	01/01/83	
ADQ: 122.0 MQ: 244.0 APU: 244.0	AOU: None		gal
MSDS 324 * MINERAL SPIRITS S-66	N/A	01/01/83	
ADQ: 440.0 MQ: 880.0 APU: 880.0	AOU: None		gal
MSDS 426 * MINERAL SEAL OIL	N/A	01/01/83	
ADQ: 1364.0 MQ: 2728.0 APU: 2728.0	AOU: None		gal
DS 427 * SOLVENT 959	N/A	01/01/83	
ADQ: 2063.0 MQ: 4125.0 APU: 4125.0	AOU: None		gal
MSDS 430 * SOLVENT 2166	N/A	01/01/83	
ADQ: 2805.0 MQ: 5610.0 APU: 5610.0	AOU: None		gal
MSDS 533 * JRP (NO LEAD) INKS	N/A	01/01/83	
ADQ: 9.0 MQ: 18.0 APU: 18.0	AOU: None		gal
MSDS 051 * 200-2 ACME INKS	N/A	01/01/83	
ADQ: 1610.0 MQ: 3220.0 APU: 3220.0	AOU: None		lb
MSDS 050 * 200-1 ACME INKS	N/A	01/01/83	
ADQ: 2165.0 MQ: 4330.0 APU: 4330.0	AOU: None		lb
MSDS 153 * ASG-800 CLEAR	N/A	01/01/83	
ADQ: 2.0 MQ: 4.0 APU: 4.0	AOU: None		gal
MSDS 148 * ASG-303 GREEN	N/A	01/01/83	
ADQ: 1.0 MQ: 1.0 APU: 1.0	AOU: None		gal
MSDS 293 * B-31 RETARDER	N/A	01/01/83	
ADQ: 6.0 MQ: 12.0 APU: 12.0	AOU: None		gal
MSDS 290 * B-30 THINNER	N/A	01/01/83	
DQ: 15.0 MQ: 30.0 APU: 30.0	AOU: None		gal
MSDS 171 * JRP-800 BASE	N/A	01/01/83	
ADQ: 1.0 MQ: 2.0 APU: 2.0	AOU: None		gal

Chemical Inventory Work Area Listing

Brainerd Industries

Work Area: HAZ-INV CALCULATIONS FOR POWELL ROAD LANDFILL

Common Chemical Name	CAS Number	Date	Locator
MSDS 420 * PP-30 LUMINESCENT	N/A	01/01/83	
ADQ: 3.0 MQ: 5.0 APU: 5.0	AOU: None		lb
MSDS 131 * 140-1776 RETARDER	N/A	01/01/83	
ADQ: 2.0 MQ: 3.0 APU: 3.0	AOU: None		gal
MSDS 096 * S2 RETARDER	N/A	01/01/83	
ADQ: 16.0 MQ: 31.0 APU: 31.0	AOU: None		gal
MSDS 362 * S2 SERIES LEADED INKS	N/A	01/01/83	
ADQ: 47.0 MQ: 94.0 APU: 94.0	AOU: None		gal
MSDS 363 * S2 SERIES NON LEADED INKS	N/A	01/01/83	
ADQ: 124.0 MQ: 248.0 APU: 248.0	AOU: None		gal
MSDS 370 * THERMO-SET LEADED INKS	N/A	01/01/83	
ADQ: 32.0 MQ: 63.0 APU: 63.0	AOU: None		gal
DS 371 * THERMO-SET NON LEADED INKS	N/A	01/01/83	
ADQ: 89.0 MQ: 178.0 APU: 178.0	AOU: None		gal
MSDS 114 * 140-1167 THINNER	N/A	01/01/83	
ADQ: 12.0 MQ: 23.0 APU: 23.0	AOU: None		gal
MSDS 114 * 140-1167 THINNER	N/A	01/01/82	
ADQ: 12.0 MQ: 23.0 APU: 23.0	AOU: None		gal
MSDS 174 * T-976 THINNER	N/A	01/01/83	
ADQ: 12.0 MQ: 24.0 APU: 24.0	AOU: None		gal
MSDS 179 * T-910 THINNER	N/A	01/01/83	
ADQ: 11.0 MQ: 22.0 APU: 22.0	AOU: None		gal
MSDS 110 * 140-1716 WHITE	N/A	01/01/83	
ADQ: 1.0 MQ: 1.0 APU: 1.0	AOU: None		gal

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
08/11/83	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
12/13/83	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
02/01/84	CHEM CENTRAL	MINERAL SEAL OIL	143	12	
02/06/84	CHEM CENTRAL	MINERAL SEAL OIL	385	12	
03/21/84	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
06/05/84	CHEM CENTRAL	MINERAL SEAL OIL	550	12	
					2728
09/13/83	ACME INK	BLACK M30829A	15	50	
09/28/83	BLACKERS (ACME)	WHITE 246302	20	50	
09/28/83	BLACKERS (ACME)	WHITE 269421	10	50	
10/10/83	BLACKERS (ACME)	BLACK 183556	20	50	
10/10/83	BLACKERS (ACME)	VARNISH #00	11	50	
10/13/83	ACME INK	WHITE M85056	16	50	
12/29/83	ACME INK	BLACK M30829A	13	50	
12/29/83	ACME INK	BLACK M30829A	15	50	
01/03/84	BLACKERS (ACME)	VARNISH #00	13	50	
01/03/84	BLACKERS (ACME)	WHITE 269421	10	50	
01/03/84	BLACKERS (ACME)	WHITE 246302	20	50	
02/14/84	BLACKERS (ACME)	BLACK 183556	20	50	
02/20/84	ACME INK	BLUE M83378	5	50	
02/20/84	ACME INK	BLACK M30879A	15	50	
02/20/84	ACME INK	REDUCER VV167	6	50	
02/23/84	BLACKERS (ACME)	WHITE 269421	9	50	
03/12/84	BLACKERS (ACME)	WHITE 269421	10	50	
03/12/84	BLACKERS (ACME)	FLAT SIZE 199426	10	50	
04/05/84	BLACKERS (ACME)	WHITE 246302	18	50	
04/12/84	BLACKERS (ACME)	BLACK 183556	10	50	
05/14/84	BLACKERS (ACME)	WHITE 246302	18	50	
05/14/84	BLACKERS (ACME)	WHITE 269421	17	50	
05/18/84	ACME INK	BLACK M30829A	20	50	
05/25/84	BLACKERS (ACME)	VARNISH #00	8	50	
06/04/84	BLACKERS (ACME)	BROWN 241642	1	50	
06/04/84	BLACKERS (ACME)	VARNISH #00	8	50	
06/04/84	BLACKERS (ACME)	BROWN 241463	15	50	
06/04/84	BLACKERS (ACME)	WHITE 260421	9	50	
07/11/84	BLACKERS (ACME)	BLACK 183556	20	50	
07/16/84	BLACKERS (ACME)	WHITE 246302	30	50	
07/16/84	BLACKERS (ACME)	BLUE B-8	10	50	
07/30/84	BLACKERS (ACME)	ANTI-OXIDENT 0-845	1	50	
07/30/84	BLACKERS (ACME)	BLUE 153171	10	50	
					433

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
09/13/83	ACME INK	RED 17611	12	51	
09/13/83	ACME INK	RED 51988	10	51	
09/28/83	BLACKERS (ACME)	SILVER 158091	10	51	
09/28/83	BLACKERS (ACME)	GOLD 297941	10	51	
10/10/83	BLACKERS (ACME)	BULLDOG RED 177582	9	51	
11/16/83	BLACKERS (ACME)	YELLOW 246302	20	51	
11/30/83	BLACKERS (ACME)	YELLOW 241061	20	51	
12/29/83	ACME INK	YELLOW M83377	16	51	
12/29/83	ACME INK	RED 176111	16	51	
12/29/83	ACME INK	RED M834483	5	51	
01/09/84	BLACKERS (ACME)	RED 176111	15	51	
02/20/84	ACME INK	YELLOW M83593	5	51	
02/24/84	BLACKERS (ACME)	RED 176111	14	51	
03/30/84	BLACKERS (ACME)	RED 504632-A	10	51	
04/05/84	BLACKERS (ACME)	GOLD 297941	10	51	
04/05/84	BLACKERS (ACME)	YELLOW 241061	16	51	
04/12/84	BLACKERS (ACME)	YELLOW 241061	10	51	
04/25/84	BLACKERS (ACME)	YELLOW 241631	15	51	
04/25/84	ACME INK	YELLOW M83377	18	51	
04/25/84	ACME INK	RED 51983	12	51	
04/25/84	ACME INK	RED M83480	13	51	
05/31/84	ACME INK	SILVER	11	51	
06/04/84	BLACKERS (ACME)	YELLOW 241051	9	51	
07/11/84	BLACKERS (ACME)	SILVER 158091	20	51	
07/30/84	BLACKERS (ACME)	YELLOW 241061	16	51	
					322
05/03/74	EGYPTIAN LACQUER	CD-L 444 LACQUER	275	68	
08/18/83	EGYPTIAN LACQUER	CD-L 444 LACQUER	55	68	
09/28/83	EGYPTIAN LACQUER	CD-L 444 LACQUER	55	68	
11/03/83	EGYPTIAN LACQUER	CD-L 444 LACQUER	299	68	
12/27/83	EGYPTIAN LACQUER	CD-L 444 LACQUER	270	68	
02/24/84	EGYPTIAN LACQUER	CD-L 444 LACQUER	279	68	
03/13/84	EGYPTIAN LACQUER	CMF-L 265 LACQUER	55	68	
04/09/84	EGYPTIAN LACQUER	CD-L 444 LACQUER	275	68	
06/08/84	EGYPTIAN LACQUER	CD-L 444 LACQUER	275	68	
07/31/84	EGYPTIAN LACQUER	CD-L 444 LACQUER	271	68	
					2109
10/06/83	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	55	73	
12/20/83	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	110	73	
02/03/84	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	110	73	
03/29/84	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	48	73	

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
04/09/84	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	165	73	
04/26/84	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	124	73	
05/22/84	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	110	73	
06/05/84	EGYPTIAN LACQUER	CV-L 291 STRIP OFF	165	73	
06/27/84	EGYPTIAN LACQUER	RD-L 911 REDUCER	220	73	
					1107
08/26/83	LILLY	9360 FLOWING AGENT	5	74	
					5
10/26/83	LILLY	1057 WHITE	100	77	
					100
03/23/84	LILLY	4615 CHROME YELLOW	49	78	
					49
08/10/83	LILLY	6285-D BLACK	72	83	
10/04/83	LILLY	6285-D BLACK	100	83	
01/05/84	LILLY	6385-D BLACK	99	83	
02/20/84	LILLY	6385-D BLACK	97	83	
07/13/84	LILLY	6385-D BLACK	102	83	
					470
10/04/83	LILLY	3164 RED	25	85	
					25
08/15/83	LILLY	8440-D VARNISH	10	94	
					10
09/21/83	CINCINNATI SCREEN	S2-31 RETARDER	5	96	
10/18/83	CINCINNATI SCREEN	S2-31 RETARDER	4	96	
12/07/83	CINCINNATI SCREEN	S2-31 RETARDER	4	96	
03/06/84	CINCINNATI SCREEN	S2-31 RETARDER	6	96	
05/22/84	CINCINNATI SCREEN	S2-31 RETARDER	4	96	
06/07/84	CINCINNATI SCREEN	S2-31 RETARDER	4	96	
08/09/84	CINCINNATI SCREEN	S2-31 RETARDER	4	96	
					31
09/21/83	CINCINNATI SCREEN	S2-30 THINNER	4	97	
11/14/83	CINCINNATI SCREEN	S2-30 THINNER	10	97	
12/07/83	CINCINNATI SCREEN	S2-30 THINNER	4	97	
01/20/84	CINCINNATI SCREEN	S2-30 THINNER	8	97	
03/06/84	CINCINNATI SCREEN	S2-30 THINNER	6	97	

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
04/09/84	CINCINNATI SCREEN	S2-30 THINNER	6	97	
05/22/84	CINCINNATI SCREEN	S2-30 THINNER	4	97	
06/07/84	CINCINNATI SCREEN	S2-30 THINNER	5	97	
06/07/84	CINCINNATI SCREEN	S2-30 THINNER	5	97	
06/25/84	CINCINNATI SCREEN	S2-30 THINNER	4	97	
07/12/84	CINCINNATI SCREEN	S2-30 THINNER	12	97	
08/09/84	CINCINNATI SCREEN	S2-20 THINNER	4	97	
08/23/84	CINCINNATI SCREEN	S2-30 THINNER	4	97	
09/07/93	CINCINNATI SCREEN	S2-30 THINNER	4	97	
					80
11/14/83	GEN. FORMULATION	140-1716 WHITE	1	110	
					1
08/15/83	GEN. FORMULATION	140-1167 THINNER	4	114	
11/03/83	GEN. FORMULATION	140-1167 THINNER	4	114	
04/13/84	GEN. FORMULATION	140-1167 THINNER	1	114	
06/28/84	GEN. FORMULATION	140-1167 THINNER	4	114	
09/13/93	GEN. FORMULATION	140-1167 THINNER	10	114	
					23
08/15/83	GEN. FORMULATION	140-1139 BLACK	8	124	
11/03/83	GEN. FORMULATION	140-1139 BLACK	4	124	
04/13/84	GEN. FORMULATION	140-1139 BLACK	3	124	
06/28/84	GEN. FORMULATION	140-1139 BLACK	10	124	
08/24/84	GEN. FORMULATION	140-1139 BLACK	10	124	
09/13/93	GEN. FORMULATION	140-1139 BLACK	10	124	
					45
11/03/83	GEN. FORMULATION	140-4506 BLACK	20	129	
11/09/83	GEN. FORMULATION	140-4506 BLACK	10	129	
04/13/84	GEN. FORMULATION	140-4506 BLACK	2	129	
					32
09/13/93	GEN. FORMULATION	140-1176 RETARDER	3	131	
					3
12/09/83	ADVANCE PROCESS	GREEN ASG-303	1	148	
					1
04/09/84	ADVANCE PROCESS	CLEAR ABS-800	4	153	
					4

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
10/25/83	ADVANCE PROCESS	BLACK ASG-710	3	154	
11/09/83	ADVANCE PROCESS	BLACK ASG-710	2	154	
11/14/83	ADVANCE PROCESS	BLACK ASG-710	7	154	
12/09/83	ADVANCE PROCESS	BLACK ASG-710	10	154	
01/23/84	ADVANCE PROCESS	BLACK ASG-710	4	154	
01/24/84	ADVANCE PROCESS	BLACK ASG-710	16	154	
04/09/84	ADVANCE PROCESS	BLACK ASG-710	10	154	
05/23/84	ADVANCE PROCESS	BLACK ASG-710	10	154	
07/02/84	ADVANCE PROCESS	BLACK ASG-710	10	154	
07/24/84	ADVANCE PROCESS	BLACK JRP-710	1	154	
07/24/84	ADVANCE PROCESS	BLACK ASG-710	10	154	
					83
06/12/84	ADVANCE PROCESS	BASE JRP-800	1	171	
07/10/84	ADVANCE PROCESS	BASE JRP-800	1	171	
					2
10/24/83	ADVANCE PROCESS	THINNER T-976	4	174	
10/25/83	ADVANCE PROCESS	THINNER T-976	6	174	
01/24/84	ADVANCE PROCESS	THINNER T-976	2	174	
05/23/84	ADVANCE PROCESS	THINNER T-976	4	174	
08/15/84	ADVANCE PROCESS	THINNER T-976	8	174	
					24
12/09/83	ADVANCE PROCESS	THINNER ABS-800	10	179	
03/30/84	ADVANCE PROCESS	THINNER T-910	4	179	
07/24/84	ADVANCE PROCESS	THINNER T-910	8	179	
					22
10/06/83	EGYPTIAN LACQUER	XLB 365 F. PASTE	36	221	
01/09/84	EGYPTIAN LACQUER	XLB 365 F. PASTE	26	221	
01/30/84	EGYPTIAN LACQUER	XLB 365 F. PASTE	24	221	
05/09/84	EGYPTIAN LACQUER	XLB 365 F. PASTE	50	221	
					136
08/29/83	LILLY	83202-2251 BROWN	19	227	
					19
08/15/83	GEN. FORMULATION	140-2303 WASHUP	4	278	
04/13/84	GEN. FORMULATION	140-2303 WASHUP	1	278	
06/28/84	GEN. FORMULATION	140-2303 WASHUP	5	278	
08/24/84	GEN. FORMULATION	140-2303 WASHUP	10	278	
09/13/93	GEN. FORMULATION	140-2303 WASHUP	15	278	

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
					35
09/10/83	EGYPTIAN LACQUER	CD-L 294 SIZE	259	284	
10/20/83	EGYPTIAN LACQUER	CD-L 294 SIZE	275	284	
01/09/84	EGYPTIAN LACQUER	CD-L 294 SIZE	275	284	
03/22/84	EGYPTIAN LACQUER	CD-L 294 SIZE	275	284	
07/31/84	EGYPTIAN LACQUER	CD-L 294 SIZE	267	284	
					1351
03/15/84	CINCINNATI SCREEN	B-30 THINNER	4	290	
03/20/84	CINCINNATI SCREEN	B-30 THINNER	6	290	
06/08/84	CINCINNATI SCREEN	B-30 THINNER	6	290	
06/22/84	CINCINNATI SCREEN	B-30 THINNER	6	290	
07/10/84	CINCINNATI SCREEN	B-30 THINNER	8	290	
					30
11/03/83	CINCINNATI SCREEN	B-31 RETARDER	4	293	
02/09/84	CINCINNATI SCREEN	B-31 RETARDER	4	293	
06/08/84	CINCINNATI SCREEN	B-31 RETARDER	2	293	
06/22/84	CINCINNATI SCREEN	B-31 RETARDER	2	293	
					12
09/14/83	SHERWIN WILLIAMS	R7K84	10	300	
11/03/83	SHERWIN WILLIAMS	R7K84	15	300	
01/31/84	SHERWIN WILLIAMS	R7K84	5	300	
03/28/84	SHERWIN WILLIAMS	R7K84	10	300	
05/22/84	SHERWIN WILLIAMS	R7K84	5	300	
06/06/84	SHERWIN WILLIAMS	R7K84	15	300	
06/13/84	SHERWIN WILLIAMS	R7K84	5	300	
07/05/84	SHERWIN WILLIAMS	R7K84	10	300	
07/12/84	SHERWIN WILLIAMS	R7K84	5	300	
					80
08/22/83	SHERWIN WILLIAMS	V66V27	4	301	
09/14/83	SHERWIN WILLIAMS	V66V27	2	301	
11/03/83	SHERWIN WILLIAMS	V66V27	4	301	
01/31/84	SHERWIN WILLIAMS	V66V27	2	301	
03/19/84	SHERWIN WILLIAMS	V66V27	1	301	
03/28/84	SHERWIN WILLIAMS	V66V27	2	301	
05/22/84	SHERWIN WILLIAMS	V66V27	5	301	
06/06/84	SHERWIN WILLIAMS	V66V27	4	301	
07/05/84	SHERWIN WILLIAMS	V66V27	2	301	
07/12/84	SHERWIN WILLIAMS	V66V27	3	301	

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
					29
08/22/83	SHERWIN WILLIAMS	F63T1	20	302	
09/14/83	SHERWIN WILLIAMS	F63T1	12	302	
11/03/83	SHERWIN WILLIAMS	F63T1	16	302	
12/19/83	SHERWIN WILLIAMS	F63T1	16	302	
01/31/84	SHERWIN WILLIAMS	F63T1	16	302	
03/19/84	SHERWIN WILLIAMS	F63T1	2	302	
03/28/84	SHERWIN WILLIAMS	F63T1	16	302	
05/22/84	SHERWIN WILLIAMS	F63T1	20	302	
06/06/84	SHERWIN WILLIAMS	F63T1	16	302	
06/13/84	SHERWIN WILLIAMS	F63T1	20	302	
07/05/84	SHERWIN WILLIAMS	F63T1	12	302	
07/12/84	SHERWIN WILLIAMS	F63T1	16	302	
					182
08/22/83	SHERWIN WILLIAMS	F63B13	20	303	
09/14/83	SHERWIN WILLIAMS	F63B13	16	303	
11/03/83	SHERWIN WILLIAMS	F63B13	16	303	
12/19/83	SHERWIN WILLIAMS	F63B13	16	303	
01/31/84	SHERWIN WILLIAMS	F63B13	16	303	
03/21/84	SHERWIN WILLIAMS	B23WC700	12	303	
03/28/84	SHERWIN WILLIAMS	F63B13	16	303	
05/22/84	SHERWIN WILLIAMS	F63B13	20	303	
06/06/84	SHERWIN WILLIAMS	F63B13	16	303	
06/13/84	SHERWIN WILLIAMS	F63B13	20	303	
07/05/84	SHERWIN WILLIAMS	F63B13	12	303	
07/12/84	SHERWIN WILLIAMS	F63B13	16	303	
					196
08/09/83	CHEM CENTRAL	SOLVENT #66 (Stoddard)	55	324	
08/26/83	CHEM CENTRAL	SOLVENT #66 (Stoddard)	55	324	
09/14/83	CHEM CENTRAL	SOLVENT #66 (Stoddard)	110	324	
11/17/83	CHEM CENTRAL	SOLVENT #66 (Stoddard)	110	324	
01/18/84	CHEM CENTRAL	SOLVENT #66 (Stoddard)	55	324	
02/22/84	CHEM CENTRAL	SOLVENT #66 (Stoddard)	55	324	
03/23/84	CHEM CENTRAL	SOLVENT #66 (Stoddard)	110	324	
05/09/84	CHEM CENTRAL	SOLVENT #66 (Stoddard)	110	324	
05/29/84	CHEM CENTRAL	SOLVENT #66 (Stoddard)	55	324	
06/22/84	CHEM CENTRAL	SOLVENT #66 (Stoddard)	55	324	
08/03/84	CHEM CENTRAL	SOLVENT #66 (Stoddard)	110	324	
					880

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
09/21/83	CINCINNATI SCREEN	S2-19 RED	5	362	
09/21/83	CINCINNATI SCREEN	S2-12 YELLOW	5	362	
10/07/83	CINCINNATI SCREEN	AS-12 YELLOW	1	362	
10/07/83	CINCINNATI SCREEN	AS-18 RED	1	362	
10/07/83	CINCINNATI SCREEN	AS-11 YELLOW	1	362	
10/17/83	CINCINNATI SCREEN	AS-19 RED	1	362	
10/20/83	CINCINNATI SCREEN	AS-18 RED	1	362	
11/14/83	CINCINNATI SCREEN	S2-18 RED	2	362	
11/14/83	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
11/15/83	CINCINNATI SCREEN	S2-419 RHODAMINE	2	362	
11/18/83	CINCINNATI SCREEN	AS-11 YELLOW	1	362	
11/18/83	CINCINNATI SCREEN	AS-12 TELLOW	1	362	
11/18/83	CINCINNATI SCREEN	AS-19 RED	2	362	
12/07/83	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
12/07/83	CINCINNATI SCREEN	S2-19 RED	2	362	
12/21/83	CINCINNATI SCREEN	202-16 YELLOW	1	362	
12/21/83	CINCINNATI SCREEN	202-14 ORANGE	1	362	
12/23/83	CINCINNATI SCREEN	AS-19 RED	2	362	
12/23/83	CINCINNATI SCREEN	AS-20 ORANGE	2	362	
12/23/83	CINCINNATI SCREEN	AS-18 RED	2	362	
12/27/83	CINCINNATI SCREEN	202-13 RED	1	362	
12/27/83	CINCINNATI SCREEN	202-15 ORANGE	1	362	
01/05/84	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
01/05/84	CINCINNATI SCREEN	S2-19 RED	2	362	
01/09/84	CINCINNATI SCREEN	AS-12 YELLOW	2	362	
01/18/84	CINCINNATI SCREEN	AS-18 RED	1	362	
01/20/84	CINCINNATI SCREEN	S2-18 RED	2	362	
01/20/84	CINCINNATI SCREEN	S2-19 RED	2	362	
01/20/84	CINCINNATI SCREEN	S2-12 YELLOW	2	362	
01/20/84	CINCINNATI SCREEN	S2-410 YELLOW	1	362	
01/25/84	CINCINNATI SCREEN	AS-19 RED	6	362	
02/01/84	CINCINNATI SCREEN	S2-10 YELLOW	1	362	
02/09/84	CINCINNATI SCREEN	AS-18 RED	2	362	
02/09/84	CINCINNATI SCREEN	AS-19 RED	4	362	
03/06/84	CINCINNATI SCREEN	S2-19 RED	4	362	
03/06/84	CINCINNATI SCREEN	S2-411 RED	1	362	
04/03/84	CINCINNATI SCREEN	AS-20 ORANGE	1	362	
04/03/84	CINCINNATI SCREEN	AS-28 GOLD	1	362	
04/09/84	CINCINNATI SCREEN	S2-411 RED	2	362	
04/09/84	CINCINNATI SCREEN	S2-12 YELLOW	3	362	
04/09/84	CINCINNATI SCREEN	S2-19 RED	2	362	
06/07/84	CINCINNATI SCREEN	S2-11 YELLOW	2	362	
06/07/84	CINCINNATI SCREEN	S2-19 RED	4	362	

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
06/07/84	CINCINNATI SCREEN	S2-12 YELLOW	4	362	
09/07/93	CINCINNATI SCREEN	S2-10 YELLOW	2	362	
09/07/93	CINCINNATI SCREEN	S2-19 RED	2	362	
					94
09/21/83	CINCINNATI SCREEN	S2-24 BLACK	5	363	
09/21/83	CINCINNATI SCREEN	SC-25 WHITE	2	363	
10/07/83	CINCINNATI SCREEN	AS-21 BLUE	1	363	
10/07/83	CINCINNATI SCREEN	AS-25 WHITE	2	363	
10/07/83	CINCINNATI SCREEN	AS-24 BLACK	4	363	
10/17/83	CINCINNATI SCREEN	AS-14 GREEN	1	363	
10/18/83	CINCINNATI SCREEN	S2-24 BLACK	8	363	
10/18/83	CINCINNATI SCREEN	S2-26 CLEAR	6	363	
11/14/83	CINCINNATI SCREEN	S2-25 WHITE	4	363	
11/14/83	CINCINNATI SCREEN	S2-24 BLACK	8	363	
11/18/83	CINCINNATI SCREEN	AS-25 WHITE	2	363	
11/21/83	CINCINNATI SCREEN	S2-48 F. PASTE	2	363	
12/07/83	CINCINNATI SCREEN	S2-22 BLUE	2	363	
12/07/83	CINCINNATI SCREEN	S2-21 BLUE	2	363	
12/07/83	CINCINNATI SCREEN	S2-26 CLEAR	2	363	
12/07/83	CINCINNATI SCREEN	S2-13 GREEN	2	363	
12/07/83	CINCINNATI SCREEN	S2-25 WHITE	4	363	
12/21/83	CINCINNATI SCREEN	202-18 GREEN	1	363	
12/23/83	CINCINNATI SCREEN	AS-27 CLEAR	4	363	
01/05/84	CINCINNATI SCREEN	S2-24 BLACK	4	363	
01/05/84	CINCINNATI SCREEN	S2-16 CLEAR	6	363	
01/09/84	CINCINNATI SCREEN	AS-24 BLACK	6	363	
01/09/84	CINCINNATI SCREEN	AS-25 WHITE	5	363	
01/10/84	CINCINNATI SCREEN	S2-24 BLACK	4	363	
01/18/84	CINCINNATI SCREEN	AS-22 BLUE	1	363	
01/18/84	CINCINNATI SCREEN	35972 RESIST	8	363	
01/20/84	CINCINNATI SCREEN	S2-24 BLACK	8	363	
01/25/84	CINCINNATI SCREEN	AS-21 BLUE	2	363	
01/25/84	CINCINNATI SCREEN	AS-13 GREEN	2	363	
02/09/84	CINCINNATI SCREEN	AS-25 WHITE	4	363	
02/09/84	CINCINNATI SCREEN	AS-24 BLACK	6	363	
03/06/84	CINCINNATI SCREEN	S2-15 WHITE	8	363	
03/06/84	CINCINNATI SCREEN	S2-13 GREEN	2	363	
03/06/84	CINCINNATI SCREEN	S2-14 GREEN	1	363	
03/06/84	CINCINNATI SCREEN	S2-26 CLEAR	6	363	
03/06/84	CINCINNATI SCREEN	S2-24 BLACK	8	363	
04/03/84	CINCINNATI SCREEN	AS-22 BLUE	2	363	
04/03/84	CINCINNATI SCREEN	AS-13 GREEN	1	363	

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
04/09/84	CINCINNATI SCREEN	S2-25 WHITE	4	363	
04/09/84	CINCINNATI SCREEN	S2-24 BLACK	10	363	
04/09/84	CINCINNATI SCREEN	S2-13 GREEN	2	363	
05/18/84	CINCINNATI SCREEN	S2-16 CLEAR	15	363	
05/22/84	CINCINNATI SCREEN	S2-26 CLEAR	6	363	
05/22/84	CINCINNATI SCREEN	S2-13 GREEN	2	363	
06/07/84	CINCINNATI SCREEN	S2-26 CLEAR	4	363	
06/07/84	CINCINNATI SCREEN	S2-24 BLACK	4	363	
06/25/84	CINCINNATI SCREEN	S2-25 WHITE	6	363	
06/25/84	CINCINNATI SCREEN	S2-24 BLACK	6	363	
06/27/84	CINCINNATI SCREEN	S2-16 CLEAR	17	363	
07/10/84	CINCINNATI SCREEN	35972 RESIST	8	363	
08/09/84	CINCINNATI SCREEN	S2-14 BLACK	2	363	
08/23/84	CINCINNATI SCREEN	S2-26 CLEAR	10	363	
09/07/93	CINCINNATI SCREEN	S2-25 WHITE	2	363	
09/07/93	CINCINNATI SCREEN	S2-24 BLACK	4	363	
					248
10/12/83	CINCINNATI SCREEN	B-12 YELLOW	1	370	
11/18/83	CINCINNATI SCREEN	B-18 RED	4	370	
01/18/84	CINCINNATI SCREEN	PBAS-12 YELLOW	1	370	
03/06/84	CINCINNATI SCREEN	B-19 RED	2	370	
03/06/84	CINCINNATI SCREEN	B-12 YELLOW	2	370	
04/19/84	CINCINNATI SCREEN	B-19 RED	4	370	
04/19/84	CINCINNATI SCREEN	B-12 YELLOW	3	370	
05/04/84	CINCINNATI SCREEN	B-12 YELLOW	1	370	
05/18/84	CINCINNATI SCREEN	B-19 RED	2	370	
05/18/84	CINCINNATI SCREEN	B-20 ORANGE	2	370	
06/07/84	CINCINNATI SCREEN	B-18 RED	4	370	
06/26/84	CINCINNATI SCREEN	B-18 RED	2	370	
07/02/84	CINCINNATI SCREEN	B-12 YELLOW	4	370	
07/02/84	CINCINNATI SCREEN	B-10 YELLOW	2	370	
07/24/84	CINCINNATI SCREEN	B-33 PURPLE	1	370	
07/24/84	CINCINNATI SCREEN	B-20 ORANGE	1	370	
07/24/84	CINCINNATI SCREEN	B-60 RED	1	370	
07/24/84	CINCINNATI SCREEN	B-19 RED	10	370	
07/24/84	CINCINNATI SCREEN	B-28 GOLD	1	370	
08/06/84	CINCINNATI SCREEN	B-20 ORANGE	4	370	
08/13/84	CINCINNATI SCREEN	B-12 YELLOW	2	370	
08/13/84	CINCINNATI SCREEN	B-18 RED	4	370	
09/13/93	CINCINNATI SCREEN	B-10 YELLOW	2	370	
09/13/93	CINCINNATI SCREEN	B-12 YELLOW	3	370	
					63

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
09/28/83	CINCINNATI SCREEN	B-25 WHITE	4	371	
09/28/83	CINCINNATI SCREEN	B-24 BLACK	8	371	
10/07/83	CINCINNATI SCREEN	AS-30 THINNER	4	371	
10/07/83	CINCINNATI SCREEN	AS-31 RETARDER	2	371	
10/27/83	CINCINNATI SCREEN	B-24 BLACK	4	371	
11/03/83	CINCINNATI SCREEN	B-25 WHITE	8	371	
11/18/83	CINCINNATI SCREEN	AS-30 THINNER	2	371	
11/18/83	CINCINNATI SCREEN	AS-31 RETARDER	2	371	
12/23/83	CINCINNATI SCREEN	AS-31 RETARDER	4	371	
02/13/84	CINCINNATI SCREEN	B-25 BLACK	6	371	
02/13/84	CINCINNATI SCREEN	B-24 WHITE	6	371	
03/12/84	CINCINNATI SCREEN	B-24 BLACK	10	371	
03/12/84	CINCINNATI SCREEN	B-25 WHITE	5	371	
03/14/84	CINCINNATI SCREEN	B-25 WHITE	1	371	
03/16/84	CINCINNATI SCREEN	B-25 WHITE	6	371	
03/16/84	CINCINNATI SCREEN	B-24 BLACK	2	371	
03/20/84	CINCINNATI SCREEN	B-25 WHITE	2	371	
03/20/84	CINCINNATI SCREEN	B-24 BLACK	6	371	
04/19/84	CINCINNATI SCREEN	B-25 WHITE	8	371	
04/19/84	CINCINNATI SCREEN	B-24 BLACK	12	371	
05/18/84	CINCINNATI SCREEN	B-25 WHITE	8	371	
05/31/84	CINCINNATI SCREEN	B-24 BLACK	8	371	
05/31/84	CINCINNATI SCREEN	B-25 WHITE	8	371	
06/19/84	CINCINNATI SCREEN	B-21 BLUE	2	371	
06/22/84	CINCINNATI SCREEN	B-24 BLACK	8	371	
06/26/84	CINCINNATI SCREEN	B-22 BLUE	2	371	
07/02/84	CINCINNATI SCREEN	B-25 WHITE	12	371	
07/02/84	CINCINNATI SCREEN	B-24 BLACK	8	371	
08/06/84	CINCINNATI SCREEN	B-25 WHITE	4	371	
08/06/84	CINCINNATI SCREEN	B-24 BLACK	8	371	
08/16/84	CINCINNATI SCREEN	B-25 WHITE	8	371	
					178
04/25/84	ADVANCE PROCESS	GREEN PP-30	5	420	
					5
08/09/83	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
08/26/83	CHEM CENTRAL	SOLVENT 959 (843)	110	427	
09/14/83	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
10/06/83	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
10/20/83	CHEM CENTRAL	SOLVENT 959 (843)	110	427	
11/17/83	CHEM CENTRAL	SOLVENT 959 (843)	330	427	

Fiscal Year 1983 Hazardous Materials Invoices

Date	Supplier	Product	Amount	MSDS#	TOTAL
01/18/84	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
02/22/84	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
03/23/84	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
04/12/84	CHEM CENTRAL	SOLVENT 959 (843)	110	427	
04/17/84	CHEM CENTRAL	SOLVENT 959 (843)	385	427	
05/09/84	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
05/29/84	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
06/22/84	CHEM CENTRAL	SOLVENT 959 (843)	330	427	
08/03/84	CHEM CENTRAL	SOLVENT 959 (843)	110	427	
					4125
08/09/83	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
08/26/83	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
09/14/83	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
10/06/83	CHEM CENTRAL	SOLVENT 2166 (1526)	330	430	
10/20/83	CHEM CENTRAL	SOLVENT 2166 (1526)	440	430	
11/17/83	CHEM CENTRAL	SOLVENT 2166 (1526)	440	430	
01/18/84	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
02/22/84	CHEM CENTRAL	SOLVENT 2166 (1526)	275	430	
03/23/84	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
04/12/84	CHEM CENTRAL	SOLVENT 2166 (1526)	440	430	
04/17/84	CHEM CENTRAL	SOLVENT 2166 (1526)	165	430	
05/09/84	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
05/29/84	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
06/22/84	CHEM CENTRAL	SOLVENT 2166 (1526)	440	430	
08/03/84	CHEM CENTRAL	SOLVENT 2166 (1526)	385	430	
					5610
02/06/84	ADVANCE PROCESS	RED REX-505	4	513	
03/30/84	ADVANCE PROCESS	RED REX-255	4	513	
04/12/84	ADVANCE PROCESS	ORANGE REX-266	5	513	
07/24/84	ADVANCE PROCESS	ORANGE JRP-259	1	533	
07/24/84	ADVANCE PROCESS	BLUE REX-566	4	533	
					18

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][6][7]-[6][4]-[1]

Chemical: ACETONE

Annual -> Process Usage (lbs): 6290 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 430 * SOLVENT 2166

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][7][2][7]-[4][3]-[7]

Chemical: BARIUM SULFATE

Annual -> Process Usage (lbs): 160 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 370 * THERMO-SET LEADED INKS
MSDS 371 * THERMO-SET NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][1]-[4][3]-[2]

Chemical: BENZENE

Annual -> Process Usage (lbs): 58 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 324 * MINERAL SPIRITS S-66

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][1]-[7][6]-[2]

Chemical: 2-BUTOXYETHANOL

Annual -> Process Usage (lbs): 741 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 284 * CV-L 294 SIZE
MSDS 148 * ASG-303 GREEN
MSDS 293 * B-31 RETARDER

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][1]-[3][6]-[3]

Chemical: N-BUTYL ALCOHOL

Annual -> Process Usage (lbs): 732 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 370 * THERMO-SET LEADED INKS
MSDS 371 * THERMO-SET NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][4][0]-[5][0]-[8]

Chemical: COPPER

Annual -> Process Usage (lbs): 54 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS
MSDS 363 * S2 SERIES NON LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][3][4][5][9][0]-[9][4]-[8]

Chemical: DIPROPYLENE GLYCOL METHYL ETHER

Annual -> Process Usage (lbs): 7 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 154 * ABS-170 BLACK
MSDS 153 * ASG-800 CLEAR

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][1]-[1][5]-[9]

Chemical: 2-ETHOXYETHYL ACETATE

Annual -> Process Usage (lbs): 195 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 174 * T-976 THINNER

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][8]-[1][0]-[1]

Chemical: HEXONE

Annual -> Process Usage (lbs): 561 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 077 * 1057 WHITE
MSDS 078 * 4615 YELLOW
MSDS 083 * 6285-D BLACK
MSDS 085 * 3164 RED
MSDS 284 * CV-L 294 SIZE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][3][9]-[9][2]-[1]

Chemical: LEAD

Annual -> Process Usage (lbs): 1868 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 051 * 200-2 ACME INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][4][4][6]-[1][4]-[2]

Chemical: LEAD(II) SULFATE (1:1)

Annual -> Process Usage (lbs): 216 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS
MSDS 370 * THERMO-SET LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][7][7][5][8]-[9][7]-[6]

Chemical: LEAD CHROMATE(VI)

Annual -> Process Usage (lbs): 198 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 078 * 4615 YELLOW
MSDS 148 * ASG-303 GREEN
MSDS 362 * S2 SERIES LEADED INKS
MSDS 370 * THERMO-SET LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][1][0][1][9][0]-[5][5]-[3]

Chemical: LEAD MOLYBDATE

Annual -> Process Usage (lbs): 24 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 362 * S2 SERIES LEADED INKS

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][6][7]-[5][6]-[1]

Chemical: METHANOL

Annual -> Process Usage (lbs): 425 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][5]-[0][9]-[2]

Chemical: METHYLENE CHLORIDE

Annual -> Process Usage (lbs): 5235 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF
MSDS 430 * SOLVENT 2166

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][8]-[9][3]-[3]

Chemical: METHYL ETHYL KETONE

Annual -> Process Usage (lbs): 405 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 303 * F63B13

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][1][5]-[0][7]-[1]

Chemical: PROPYLENE

Annual -> Process Usage (lbs): 0 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 171 * JRP-800 BASE

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][7]-[9][8]-[2]

Chemical: PROPYLENE GLYCOL MONOMETHYL ETHER

Annual -> Process Usage (lbs): 4899 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 154 * ABS-170 BLACK
MSDS 427 * SOLVENT 959
MSDS 153 * ASG-800 CLEAR

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][1][0][8]-[8][8]-[3]

Chemical: TOLUENE

Annual -> Process Usage (lbs): 1388 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 300 * V66V27
MSDS 302 * R7K84
MSDS 303 * F63B13

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][0][0][7][6]-[1][3]-[1]

Chemical: 1,1,2-TRICHLOROTRIFLUOROETHANE

Annual -> Process Usage (lbs): 41690 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 242 * FREON TF

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][1][3][3][0]-[2][0]-[7]

Chemical: XYLENE, MIXED ISOMERS

Annual -> Process Usage (lbs): 634 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:

MSDS 068 * CD-L 444
MSDS 078 * 4615 YELLOW
MSDS 094 * 8440-D VARNISH
MSDS 221 * XLB-365 FLATTENING PASTE
MSDS 303 * F63B13

SARA Section 313 Toxic Chemical Release Identification

Brainerd Industries

CHEMICAL IDENTITY

CAS Number: [0][0][1][3][1][4]-[1][3]-[2]

Chemical: ZINC OXIDE

Annual -> Process Usage (lbs): 0 Otherwise Used (lbs): 0

Mixtures and or Chemicals Included in the Release Summary Report:
MSDS 420 * PP-30 LUMINESCENT