40340

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP L-8: LIQUID BASIC WATER REACTIVES

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

MAR G33404 TSDR

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Inc.
TRANSPORTER: CWM
FACILITY ADDRESS: Route 3
TRANSPORTER PHONE: (205) 652-9721
Montross, Virginia 22520
GENERATOR USEPA I.D. APPLIED FOR
GENERATOR STATE I.D. VAP 00000 1568
TECHNICAL CONTACT: L. David Wheeless
TITLE: Chief Engineer
PHONE: (404) 952-9005
NAME OF WASTE: Hydrazine soultion, 54.4%
PROCESS GENERATING WASTE: Clean-up of electroplating facility

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: See Attached

ODOR: ☐ NONE ☐ MILD ☐ STRONG — See Attached — DESCRIBE

PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☒ YES ☐ NO — VOLUME 100 %

pH: ☐ < 2 ☐ 7.1-10 ☐ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT See Attached

SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☐ EXACT See Attached

FLASH POINT: ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP ☐ 70°F-100°F ☐ NO FLASH ☐ OPEN CUP ☐ 101°F-139°F ☐ EXACT ☐ 140°F-200°F See Attached

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

See attached material ___ %
Safety Data Sheet ___ %
___ %
___ %
___ %
___ %
___ %
___ %
___ %
___ %

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)		SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)	See Attached	COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		THALLIUM (Tl)	
CHROMIUM-HEX (Cr + 6)			

E OTHER COMPONENTS - TOTAL (PPM) See Attached

CYANIDES		PCB'S	
SULFIDES		PHENOLICS	

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Hydrazine, aqueous solution
HAZARD CLASS: Corrosive Material I.D. NO.: UN2030 R.Q.: 1 lb

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: 55 GALS. ___ CUBIC YARDS
1 OTHER Drum

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐ ___

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☐ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☒ OTHER Reducer

OTHER HAZARDOUS CHARACTERISTICS:
☐ NONE ☐ RADIOACTIVE ☒ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☒ OTHER Corrosive

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S): U133

STATE HAZARDOUS WASTE? ☐ YES ☐ NO
STATE CODE(S):

H SPECIAL HANDLING INFORMATION

See attached Material Safety Data Sheet

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE: William E. Ambler
TITLE: Manager of Testing and Measurements
DATE: 8/12/86

AR400222

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

MAR TSDR F20636

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated

TRANSPORTER: CWM - Emelle

FACILITY ADDRESS:

TRANSPORTER PHONE:

GENERATOR USEPA I.D.

GENERATOR STATE I.D.

TECHNICAL CONTACT: TITLE: PHONE:

NAME OF WASTE: Liquid basic water reactives

PROCESS GENERATING WASTE: Clean-up of electroplating facility waste

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Gold

ODOR: ☐ NONE ☒ MILD ☐ STRONG — DESCRIBE: Caustic

PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☒ YES ☐ NO — VOLUME: 81 %

pH: ☐ < 2 ☐ 7.1 - 10 ☐ N/A ☐ 2-4 ☒ 10.1 - 12.5 ☐ 4.1 - 6.9 ☐ > 12.5 ☐ 7 ☒ EXACT 11

SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3 - 1.4 ☐ .8 - 1.0 ☒ 1.5 - 1.7 ☐ 1.1 - 1.2 ☐ > 1.7 ☒ EXACT 1.61

FLASH POINT: ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP ☐ 70°F - 100°F ☒ NO FLASH ☒ OPEN CUP ☐ 101°F - 139°F ☐ EXACT ☐ 140°F - 200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Sodium hydroxide	55 %
Moisture	45 %
	%
	%
	%
	%
	%
	%
	%
	%

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	< 3
CADMIUM (Cd)	< 2	COPPER (Cu)	8
CHROMIUM (Cr)	< 10	NICKEL (Ni)	< 50
MERCURY (Hg)	< 0.4	ZINC (Zn)	6
LEAD (Pb)	10	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	< 0.25	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	1.5

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Hazardous Waste, Liquid, N.O.S.

HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.

METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID ☐ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: 730 GALS. CUBIC YARDS ☐ OTHER

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☐ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☒ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO

USEPA HAZARDOUS CODE(S): F009

STATE HAZARDOUS WASTE? ☐ YES ☐ NO

STATE CODE(S):

H SPECIAL HANDLING INFORMATION

Water reactive - do not mix with water or aqueous solutions.

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE TITLE DATE

AR400223

The following information must be filled out for all wastes to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste can be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be complete to all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply.
FREE LIQUID - If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used attach Material Safety Data sheets or other documents which adequately describe the composition of the waste. **For each component, indicate expected percent or range in which the component is present.** In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and **R.Q.** (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT - If drums are specified they must be specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME Gallons and cubic yards are emphasized as units of volume measurement. If another unit of measure must be used indicate that unit.
FREQUENCY The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE,** normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE** capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. **WATER REACTIVE;** reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER** - indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE,** emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL:** a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE:** the waste was produced from a pesticide or herbicide manufacturing process; or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER,** list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES.**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 3065
MARIETTA, GEORGIA 30061
(Sales Office)

AR400224

CHEMICAL WASTE MANAGEMENT
HWY 17, MILE MARKER 163
EMELLE, ALABAMA 35459
(Analytical Lab)

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET: INCINERATION TREATMENT ADDENDUM

WASTE PROFILE SHEET CODE
TSDR MAR G33404

A. GENERAL INFORMATION

GENERAL NAME: Hydrazine waste

NAME OF WASTE: Hydrazine solution, 54.4%

PROCESS GENERATING WASTE: Clean-up of electroplating facility

B. CHEMICAL CHARACTERISTICS OF WASTE See attached Material Safety Data Sheet

1. Heat Value (BTU/lb.) ____
2. Percent Ash ____ %
3. Percent Total Halogens ____ %
4. Percent Sulfur ____ %
5. Percent Nitrogen ____ %
6. Percent Water ____ %

C. PHYSICAL CHARACTERISTICS OF WASTE See attached Material Safety Data Sheet

1. Viscosity (cps) ____
2. Percent Total Solids ____ %
3. Percent Susp. Solids ____ %
4. Percent Dissolved Solids ____ %
5. Vapor Pressure 50 F (psia) ____ %

D. SPECIAL LISTED CONSTITUENTS: 40 CFR 261 APPENDIX VIII

Hydrazine

E. ADDITIONAL WASTE INFORMATION

1. Pumpable? @ 50 F ☐ Yes ☐ No 1a. Method See attached
1b. Can the waste be heated to improve flow? ☐ Yes ☐ No
2. Soluble in Water? ☐ Yes ☐ No
3. Particle Size: Will solid portion of waste pass through a ⅛" screen? ☐ Yes ☐ No
4. Other Information: See attached

F. I hereby certify that all information submitted in this and all attached documents is complete and accurate, and that all known or suspected hazards have been disclosed.

AUTHORIZED SIGNATURE	TITLE	DATE
[signature]	Manager of Testing and Measurements	8/12/86

AR400225

ATTACH TO SAMPLE SHIPPING PACKAGE

Olin MATERIAL SAFETY DATA

OCEAN® Network
EMERGENCY PHONE 1-800-OLIN-911

SECTION I - IDENTIFICATION

CHEMICAL NAME & SYNONYMS
Hydrazine Solution, 54.4%, Hydrazine hydrate 85%

CHEMICAL FAMILY	FORMULA	TRADE NAME
Hydrazine	$N_2H_4 \cdot H_2O$	Hydrazine Solution 54.4%

DESCRIPTION	CAS NO.
Clear colorless liquid with odor of ammonia.	302-01-2

SECTION II - NORMAL HANDLING PROCEDURES

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE

Avoid contact with eyes, skin or clothing. Do not take internally. Upon contact with skin or eyes, wash off with water. Avoid breathing dust or vapor. Destroy any contaminated leather articles. Maintain atmosphere of nitrogen over hydrazine. Containers must be grounded. Adequate amount of water must be available for flushing.

PROTECTIVE EQUIPMENT	VENTILATION REQUIREMENTS
EYES Goggles **GLOVES** Butyl rubber **OTHER** Coveralls, boots, butyl rubber apron	As required to keep airborne concentrations below the TLV of hydrazine.

SECTION III - HAZARDOUS INGREDIENTS

BASIC MATERIAL	OSHA PEL	LD50	LC50	SIGNIFICANT EFFECTS
Hydrazine	1 ppm (skin)	91 mg/kg skin (rabbit)	570 ppm/4 hrs (rat)	Carcinogenic in laboratory animals. Damage to major organs. Corrosive to skin, eyes and mucous membranes.

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT 150°F COC METHOD	OSHA CLASSIFICATION	FLAMMABLE EXPLOSIVE LIMIT	LOWER	UPPER
	Combustible Liquid		4.7	100

EXTINGUISHING MEDIA Water, carbon dioxide, dry chemical. Deluge unignited spills with large amounts of water, diluting to concentrations below 40% by wt. Vapors can be ignite

SPECIAL FIRE HAZARD & FIRE FIGHTING PROCEDURES Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire. Wear a butyl rubber encapsulated suit when fighting a fire involving this material.

SECTION V - HEALTH HAZARD DATA

THRESHOLD LIMIT VALUE
Hydrazine (skin) 0.1 ppm (ACGIH 1985-86)

SYMPTOMS OF OVER EXPOSURE Dizziness, nausea, corrosive to eyes, skin, mucous membranes. May cause temporary blindness, damage to liver, kidneys, lungs, blood, blood forming organs

EMERGENCY FIRST-AID PROCEDURES

SKIN Remove all contaminated clothing. Flush with water for 15 minutes, call a physician.

EYES Flush with water for 15 minutes, call a physician.

INGESTION Drink large quantities of water. Do not induce vomiting. Call a physician immediately. Remove by gastric lavage.

INHALATION Remove victim to fresh air. Call a physician.

AR400226

PRODUCT CODE 134050 CHEMICAL NAME Hydrazine Solution 54.4%

SECTION VI - TOXICOLOGY (PRODUCT)

ACUTE ORAL LD 50
110 mg/kg estimate (rats)
ACUTE DERMAL LD 50 170 mg/kd estimate (rabbits)
ACUTE INHALATION LC 50 1000 ppm for 4 hours estimate (rats)

CARCINOGENICITY Carcinogenic in animal studies-NTP
MUTAGENICITY Positive
EYE IRRITATION Corrosive
PRIMARY SKIN IRRITATION Corrosive

PRINCIPAL ROUTES OF ABSORPTION
Dermal, inhalation

EFFECTS OF ACUTE EXPOSURE Temp.blindness,dizziness,nausea,CNS depression. Damage to liver,lungs,kidney,blood and blood forming organs.Corrosive to skin,eyes,mucous memb.

EFFECTS OF CHRONIC EXPOSURE Suspect human carcinogen.Damage to liver,lungs,kidney,blood, blood forming organs, skin sensitization,dermatitis. May cause fetal malformations.

SECTION VII - SPILL AND LEAKAGE PROCEDURES (CONTROL PROCEDURES)

ACTION FOR MATERIAL RELEASE OR SPILL
Remove all sources of ignition. Wear a positive pressure supplied air respirator or self-contained breathing apparatus. Follow OSHA regulations for respirator use (see 29 CFR 1910.134). Wear goggles, butyl rubber gloves, boots and slicker suit. Isolate area of spill by diking. Stop source of leak. Transfer contents to non-leaking container or storage vessel. Neutralize spill by first diluting hydrazine to a 5% or less concentration. Then add an equal amount of a 5% or less concentration of a calcium hypochlorite solution to totally neutralize the hydrazine. Test for neutralization. After neutralization transfer this material to an approved DOT container for proper disposal. Wash all contaminated clothing before reuse. In the event of a large spill, call the emergency telephone number shown on the front of this sheet.

TRANSPORTATION EMERGENCY,CONTACT CHEMTREC 800-424-9300

WASTE DISPOSAL METHOD
Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate Federal, State and local regulatory agencies to ascertain proper disposal procedures.

SECTION VIII - SHIPPING DATA

D.O.T. Hydrazine, Aqueous Solution, Corrosive Material UN 2030 Poison

SECTION IX - REACTIVITY DATA

STABLE X	UNSTABLE AT____C ____ F	HAZARDOUS POLYMERIZATION	MAY OCCUR
			WILL NOT OCCUR X

CONDITIONS TO AVOID
Will react with oxygen from air.
INCOMPATIBILITY(MATERIAL TO AVOID) Oxidizing agents, organic matter, Cu, Zn, Pb, stainless steel with more than 0.5% Mo, rust, and other metal oxides.
HAZARDOUS DECOMPOSITION PRODUCTS
Ammonia, hydrogen

SECTION X - PHYSICAL DATA

MELTING POINT -70.6°F	VAPOR PRESSURE No data	VOLATILES No data
BOILING POINT 246°F	SOLUBILITY IN WATER Complete	EVAPORATION RATE No data
SPECIFIC GRAVITY(H20=1) 1.032	PH See below	VAPOR DENSITY(AIR=1) No data
pH 1% sol 10.1-10.7		

INFORMATION: FURNISHED TO FURNISHED BY DATE MARCH 12, 1986

ATTN: DEPT HANDLING MATL SAFETY DATA SHEETS
J. H. BROWNE
LAW ENGINEERING
2749 DELK RD S.E.
MARIETTA, GA 30067

AR400227

Department of Environmental Hygiene and Toxicol
(203) 789-54

Olin CORPORATION
120 Long Ridge Road, Stamford, Connecticut 06904
OCEAN® Network
EMERGENCY PHONE 1-800-OLIN-911

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP L-16: Sumps, Acidic Liquid

LAB ANALYSIS IN PROGRESS

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP L-17: Sumps, Neutral Liquids

LAB ANALYSIS IN PROGRESS

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP L-18: Nitric Acid Waste

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: MAR 025890

TSDR

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated

FACILITY ADDRESS: Route 3
Montross, Virginia 22520

TRANSPORTER: CWM - Emelle

TRANSPORTER PHONE: (205) 652-9721

GENERATOR USEPA I.D. APPLIED FOR

GENERATOR STATE I.D. VAP 00000 1568

TECHNICAL CONTACT: L. David Wheeless TITLE: Chief Engineer PHONE: (404) 952-9005

NAME OF WASTE: Nitric acid waste

PROCESS GENERATING WASTE: Clean-up of electroplating facility

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Gold

ODOR: ☐ NONE ☐ MILD ☒ STRONG
DESCRIBE: Acidic

PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☒ YES ☐ NO
VOLUME: 100 %

pH: ☒ < 2 ☐ 2-4 ☐ 4.1-6.9 ☐ 7 ☐ 7.1-10 ☐ 10.1-12.5 ☐ > 12.5 ☒ EXACT 1 ☐ N/A

SPECIFIC GRAVITY: ☐ < .8 ☐ .8-1.0 ☐ 1.1-1.2 ☒ 1.3-1.4 ☐ 1.5-1.7 ☐ > 1.7 ☒ EXACT 1.40

FLASH POINT: ☐ < 70°F ☐ 70°F-100°F ☐ 101°F-139°F ☐ 140°F-200°F ☐ > 200°F ☒ NO FLASH ☐ EXACT ☐ CLOSED CUP ☒ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Nitric Acid	69 %
Water	31 %
	%
	%
	%
	%
	%
	%
	%
	%

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	< 3
CADMIUM (Cd)	< 2	COPPER (Cu)	3
CHROMIUM (Cr)	< 10	NICKEL (Ni)	< 50
MERCURY (Hg)	< 0.4	ZINC (Zn)	< 4
LEAD (Pb)	< 10	THALLIUM (Th)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	< 0.25	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	7.2

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Nitric acid

HAZARD CLASS: Corrosive I.D. NO.: UN2031 R.Q.:

METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID ☐ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: 2260 GALS. CUBIC YARDS ☐ OTHER

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS:
☐ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☒ OTHER Corrosive

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S): D002

STATE HAZARDOUS WASTE? ☒ YES ☐ NO
STATE CODE(S): D002

H SPECIAL HANDLING INFORMATION

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE | TITLE | DATE

AR400233

The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be ported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be m... all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. C... items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.)
PHYSICAL STATE - Check as many as apply.
FREE LIQUID - If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metal concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and **R.Q.** (Reportable Quantity) as defined in 49 CFR 302.

METHOD OF SHIPMENT - If drums are specified, they must be as spec... in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - Gallons and cubic yards are empha... as ... of volume measurement. If another unit of measure must be used, ind... that unit.
FREQUENCY - The period during which the above ANTICIPATED VOL... will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: will ignite spontaneously in air at below 1... (54.4°C). **SHOCK SENSITIVE;** normally unstable and readily under... violent change without detonating. **EXPLOSIVE;** capable of detonation... explosive reaction if subjected to a strong initiating source or if heated u... confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a C... B explosive as defined in 49 CFR 173.88. **WATER REACTIVE;** reacts viole... with water, or forms potentially explosive mixtures with water or when m... with water forms toxic gases, vapors, or fumes in a quantity sufficient... present a danger to human health or the environment. **OTHER,** indicat... of other reactive characteristics must be included (e.g. autopolymerizat... peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste ... *tains or has ever contained any component which is considered to be a...* the following. **RADIOACTIVE;** emits alpha, beta or gamma radiation a... normal background levels. **ETIOLOGICAL;** a viable micro-organism o... toxin which causes or may cause human disease. **PESTICIDE MA... FACTURING WASTE;** the waste was produced from a pesticide or h... cide manufacturing process; or, the waste is or contains waste pesticid... herbicide. Include as a specific item in PART C. **OTHER,** list any ke... hazardous characteristics and elaborate in PART H (e.g. carcinogenic, te... genic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 ... 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL - Indicate whether the waste is reg... as a hazardous waste in your state. If yes, then complete the **STATE COD...**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached identify those attachments (e.g. toxicology reports, TSCA n... for significant adverse reactions to health, TSCA notifications of s... or Material Safety Data sheets). Failure to make an entry in ... P is considered as a representation that you neither know nor believe there are any adverse human health effects associated with exposure to waste.

Also include in this PART any information that will aid in the management the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date Generator's Waste Material Profile Sheet.

Collect package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected accordance with "Test Methods for the Evaluation of Solid Waste, Physical / Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suita sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides requir plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and conta Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22 19... If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified structions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of ... Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
P. O. ...
MARIETTA, GEORGIA 30061
(Sales Office)

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 55/HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459
(Analytical L...

AR400234

DU PONT
WASTEWATER TREATMENT SERVICE

WASTE CHARACTERIZATION QUESTIONNAIRE Date: _____ Du Pont Sample I.D. No. _____

■ Waste Generator

Company Name Scovill, Incorporated Phone _____

Address Route 3

City Montross State VA Zip 22520

Contact _____

■ Submitter of Sample if Different from Generator

Company Name Law Environmental Services Phone (404) 952-9005

Address 2749 Delk Road, S.E.

City Marietta State GA Zip 30067

Contact L. David Wheeless

■ Process Generating Waste Clean-up of electroplating facility

■ If RCRA listed, give EPA Hazardous Waste No. D002

■ Dot Hazard Class Corrosive

■ Attach a typical analysis of your wastewater.

■ Composition and Classification Information

Major Components	EPA Hazardous Waste No.	Concentration % ~~Upper~~	Lower
1. Water			31
2. Nitric acid			69
3.			
4.			
5.			

pH 1 Specific Gravity 1.40 ☒ Heavy Metals (Specify) copper 3 ppm

PLEASE CIRCLE YES (Y) OR NO (N) TO THE PRESENCE OF THE FOLLOWING MATERIAL CHARACTERISTICS OF THE WASTE:
Water Solution (Y)N, Water Dispersion (Emulsion) Y(N) Corrosive (Y)N, Carcinogen or Suspect Y(N) Poison Y(N)
Oxidizer Y(N) Explosives Y(N) Radioactive Y(N) PCB's Y(N) Asbestos Y(N) Cyanide Y(N) Sufides Y(N)
Pesticides-Herbicides Y(N)

Flash Point No flash TOC <10% BOD Not tested COD Not tested Odor ☒ Yes ☐ No

☐ Reacts with Acidic Water _____ ☐ Products of Reaction _____

Volume of Material: Gallons Per Month One time: 2260

Handling Precautions Corrosive - Avoid any skin contact

☐ Sample Size — Please send a one pint sample in a polyethylene or polypropylene bottle sealed with a screw cap of similar material for analysis and pricing.

☐ Questionnaire Completed By (Name) _____

DU PONT COMPANY • CHEMICALS & PIGMENTS DEPARTMENT
CHAMBERS WORKS • TECHNICAL LAB • DEEPWATER, NJ 08023

FOR DU PONT USE ONLY

DU PONT "D" SAMPLE RESULTS SHEET

SAMPLE NUMBER D-_____

LAB BOOK LOG NO._____

pH_____ Lab Combustibility Test _____

H_2SO_4 Neutralization to pH = 7 _____

Odor_____ QCL, DOC_____ mg/l _____

Computer Price_____ QCL, ACID _____ mg/l _____

QCL, TSS_____ mg/l _____

QCL, EBOD_____ Heavy Metals, EBOD_____

2 hrs. _____% 4 hrs. _____%

4 hrs. _____% 8 hrs. _____%

6 hrs. _____% 12 hrs. _____%

8 hrs. _____% 16 hrs. _____%

10 hrs. _____% 20 hrs. _____%

Remarks:

_____

_____

_____

1092C
1/3/84

AR400236

E-40016 PRINTED IN U.S.A.

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP L-19: Sulfuric Acid Waste

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

MAK G32954
TSDR

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated
TRANSPORTER: CWM - Emelle
FACILITY ADDRESS: Route 3
Montross, Virginia 22520
TRANSPORTER PHONE:
GENERATOR USEPA I.D.
GENERATOR STATE I.D.
TECHNICAL CONTACT: L. David Wheeless
TITLE: Chief Engineer
PHONE: (404) 952-9005
NAME OF WASTE: Sulfuric acid waste
PROCESS GENERATING WASTE: Clean-up of electroplating facility

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Amber

ODOR: ☐ NONE ☐ MILD ☒ STRONG
DESCRIBE: Acidic

PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☒ YES ☐ NO
VOLUME: 100 %

pH: ☒ < 2 ☐ 2-4 ☐ 4.1-6.9 ☐ 7 ☐ 7.1-10 ☐ 10.1-12.5 ☐ > 12.5 ☒ EXACT 1 ☐ N/A

SPECIFIC GRAVITY: ☐ < .8 ☐ .8-1.0 ☐ 1.1-1.2 ☐ EXACT 1.7 ☐ 1.3-1.4 ☒ 1.5-1.7 ☐ > 1.7

FLASH POINT: ☐ < 70°F ☐ 70°F-100°F ☐ 101°F-139°F ☐ 140°F-200°F ☒ > 200°F ☒ NO FLASH ☐ EXACT ☐ CLOSED CUP ☐ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Moisture	4 %
Sulfuric Acid	96 %
	%
	%
	%
	%
	%
	%
	%

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	<10	SELENIUM (Se)	<10
BARIUM (Ba)	<50	SILVER (Ag)	<3
CADMIUM (Cd)	<2	COPPER (Cu)	25
CHROMIUM (Cr)	10	NICKEL (Ni)	<50
MERCURY (Hg)	<0.4	ZINC (Zn)	5
LEAD (Pb)	<10	THALLIUM (Tl)	<50
CHROMIUM-HEX (Cr + 6)	<10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	<0.25	PCB'S	<10
SULFIDES	<10	PHENOLICS	5.5

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Corrosive Liquid, N.O.S.
HAZARD CLASS: Corrosive Material
I.D. NO.: NA1760
R.Q.:

METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID ☐ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: 1,030 GALS. CUBIC YARDS OTHER

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S): D002

STATE HAZARDOUS WASTE? ☐ YES ☐ NO
STATE CODE(S):

H SPECIAL HANDLING INFORMATION

Corrosive - Avoid any skin contact.

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE | TITLE | DATE

Manager of Testin | AR400238 | 8/12/86

FORM WMI-6000-8/83

DU PONT WASTEWATER TREATMENT SERVICE

WASTE CHARACTERIZATION QUESTIONNAIRE

Date: _____ Du Pont Sample I.D. No. _____

■ Waste Generator

Company Name Scovill, Incorporated Phone _____

Address Route 3

City Montross, State VA Zip 22520

Contact _____

■ Submitter of Sample if Different from Generator

Company Name Law Environmental Services Phone (404) 952-9005

Address 2749 Delk Road, S.E.

City Marietta State GA Zip 30067

Contact L. David Wheeless

■ Process Generating Waste Clean-up of electroplating facility

■ If RCRA listed, give EPA Hazardous Waste No. VAP 00000 1568

■ Dot Hazard Class Corrosive material

■ Attach a typical analysis of your wastewater.

■ Composition and Classification Information

Major Components	EPA Hazardous Waste No.	Concentration % Upper	Lower
1. Sulfuric Acid	U103	96	
2. Water		4	
3.			
4.			
5.			

pH 1 Specific Gravity 1.7 ☐ Heavy Metals (Specify) Chromium 10 ppm, Cu 25 ppm, Zn 5 ppm

PLEASE CIRCLE YES (Y) OR NO (N) TO THE PRESENCE OF THE FOLLOWING MATERIAL CHARACTERISTICS OF THE WASTE:
Water Solution (Y) N, Water Dispersion (Emulsion) Y (N), Corrosive (Y) N, Carcinogen or Suspect Y (N), Poison Y (N)
Reducer Oxidizer (Y) N, Explosives Y (N), Radioactive Y (N), PCB's Y (N), Asbestos Y (N), Cyanide Y (N), Sufides Y (N)
Pesticides-Herbicides Y (N)

Flash Point No flash TOC 1.4% BOD Not tested COD Not tested Odor ☒ Yes ☐ No

☐ Reacts with Acidic Water Not tested ☐ Products of Reaction _____

Volume of Material: Gallons ~~Per Month~~ per one time: 1030

Handling Precautions Corrosive - Avoid any skin contact.

☐ Sample Size — Please send a one pint sample in a polyethylene or polypropylene bottle sealed with a screw cap of similar material for analysis and pricing.

☐ Questionnaire Completed By (Name) _____

DU PONT COMPANY • CHEMICALS & PIGMENTS DEPARTMENT
CHAMBERS WORKS • TECHNICAL LAB • DEEPWATER, NJ 08023

AR400239

DUPONT

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP L-20: Liquid Basic Water Reactives

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

TSDR G32952

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Inc.

FACILITY ADDRESS: Route 3

Montross, Virginia 22520

TRANSPORTER: CWI - Shelle

TRANSPORTER PHONE: (205) 552-9721

GENERATOR USEPA I.D. APPLIED FOR

GENERATOR STATE I.D. VAR 00000 1558

TECHNICAL CONTACT: L. David Wheeless TITLE: Chief Engineer PHONE: (404) 952-0005

NAME OF WASTE: Liquid basic ~~water reactive~~

PROCESS GENERATING WASTE: Clean-up of electroplating facility waste

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Gold

ODOR: ☐ NONE ☒ MILD ☐ STRONG DESCRIBE: Caustic

PHYSICAL STATE @ 70°F: ☐ SOLID ☐ SEMI-SOLID ☒ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☒ YES ☐ NO VOLUME: 51%

pH: ☐ < 2 ☐ 7.1-10 ☐ N/A ☐ 2-4 ☒ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☒ EXACT 11

SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☒ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☒ EXACT 1.61

FLASH POINT: ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP ☐ 70°F-100°F ☒ NO FLASH ☒ OPEN CUP ☐ 101°F-139°F ☐ EXACT ☐ 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Sodium hydroxide	55 %
Moisture	45 %
	%
	%
	%
	%
	%
	%
	%
	%

D METALS ☐ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	< 3
CADMIUM (Cd)	< 2	COPPER (Cu)	8
CHROMIUM (Cr)	< 10	NICKEL (Ni)	< 50
MERCURY (Hg)	< 0.4	ZINC (Zn)	6
LEAD (Pb)	10	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	0.25	PCB'S	< 10
SULFIDES	10	PHENOLICS	1.5

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Hazardous waste liquid, N.O.S.

HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.:

METHOD OF SHIPMENT: ☒ BULK LIQUID ☐ BULK SOLID ☐ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: 12 ☐ GALS. ☐ CUBIC YARDS ☐ OTHER

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO

USEPA HAZARDOUS CODE(S): F009

STATE HAZARDOUS WASTE? ☒ YES ☐ NO

STATE CODE(S): FC01

H SPECIAL HANDLING INFORMATION

~~WATER REACTIVE~~ DO NOT MIX WITH WATER OR AQUEOUS SOLUTIONS

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE: William C. Conner TITLE: Manager of Testing & DATE: 6/86

AR400241

The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply.
FREE LIQUID - If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets, or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and **R.Q.** (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT - If drums are specified, they must be as specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - Gallons and cubic yards are emphasized as units of volume measurement. If another unit of measure must be used, indicate that unit.
FREQUENCY - The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE;** normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE;** capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. **WATER REACTIVE;** reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER;** indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE;** emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL;** a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE;** the waste was produced from a pesticide or herbicide manufacturing process; or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER;** list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES.**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical / Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 3065
MARIETTA, GEORGIA 30061
(Sales Office)

AR400242

CHEMICAL WASTE MANAGEMENT, Inc.
P. O. BOX 55/HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459
(Analytical Lab)

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: MAR TSDR F20641

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated
TRANSPORTER: CWM
FACILITY ADDRESS:
TRANSPORTER PHONE: (205) 652-9721
GENERATOR USEPA I.D.
GENERATOR STATE I.D.
TECHNICAL CONTACT: TITLE: PHONE:
NAME OF WASTE: Basic (pH ≥ 9) solids
PROCESS GENERATING WASTE: Electroplating process waste clean-up

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Gray

ODOR: ☐ NONE ☐ MILD ☒ STRONG — DESCRIBE: Solvents

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☐ YES ☒ NO — VOLUME: 0 %

pH: ☐ < 2 ☒ 7.1-10 ☐ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT 9

SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☒ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☒ EXACT 1.67

FLASH POINT: ☐ < 70°F ☐ > 200°F ☒ CLOSED CUP ☒ 70°F-100°F ☐ NO FLASH ☐ OPEN CUP ☐ 101°F-139°F ☐ EXACT ☐ 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Moisture	42 %
Semi-volatile organics (105-550°C)	13 %
Heavy metals (see right)	10 %
Cyanide	1 %
Inert solids	34 %
	%
	%
	%
	%
	%

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	4
CADMIUM (Cd)	3	COPPER (Cu)	47,000
CHROMIUM (Cr)	670	NICKEL (Ni)	250
MERCURY (Hg)	< 0.4	ZINC (Zn)	45,000
LEAD (Pb)	30	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	9,180	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	< 8

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: Hazardous Waste, Solid, N.O.S.
HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.:
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE)
ANTICIPATED VOLUME: GALS. 22 CUBIC YARDS ☐ OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S): F009
STATE HAZARDOUS WASTE? ☐ YES ☐ NO
STATE CODE(S):

H SPECIAL HANDLING INFORMATION

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE | TITLE | DATE

AR400243

The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste can be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self explanatory. Other items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply.
FREE LIQUID - If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets or other documents which adequately describe the composition of the waste. **For each component, indicate expected percent or range in which the component is present.** In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material **as defined in 49 CFR 172.101? If YES, enter the SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER, and R.Q.** (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT - ... must be as specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - ... of volume measurement ... must be used, indicate that unit.
FREQUENCY - The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY: PYROPHORIC, will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE**, normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE**; capable of detonation or **explosive reaction if subjected to a strong initiating source or if heated under** confinement; or a forbidden explosive as defined in 49 CFR 173.53, **or a Class** B explosive as defined in 49 CFR 173.88. **WATER REACTIVE, reacts violently** with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER**, indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE**; emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL**, a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE**: the waste was produced from a pesticide or herbicide manufacturing process, or the waste is or contains waste pesticide or herbicide (include as a specific item in PART C). **OTHER**, list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated **as a hazardous waste in your state.** If yes, then complete the **STATE CODES.**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet

Collect, package and label for shipment and analysis one liter (about one quart) **representative sample** of the waste to be considered. This sample must be collected in **accordance with "Test Methods for the Evaluation of Solid Waste, Physical / Chemical Methods"**, SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. **A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner.** Waste containing strong caustics or fluorides **require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation.** An identification label must be attached to the sample and contain: **Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.**

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). **If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS".** Any waste sample not shipped in conformance with the specified **instructions may be disposed of immediately.**

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 3065
MARIETTA, GEORGIA 30061
(Sales Office)

CHEMICAL WASTE MANAGEMENT
HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459
(Analytical Lab)

AR400244

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-3: BASIC (pH≥9) AND CYANIDES SOLIDS

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: MAR

TSDR: F20642

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated

TRANSPORTER: CWM

FACILITY ADDRESS:

TRANSPORTER PHONE: (205) 652-9721

GENERATOR USEPA I.D.

GENERATOR STATE I.D.

TECHNICAL CONTACT: TITLE: PHONE:

NAME OF WASTE: Acidic (pH ≤ 3) solids

PROCESS GENERATING WASTE: Electroplating process waste clean-up

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Black

ODOR: ☐ NONE ☒ MILD ☐ STRONG — DESCRIBE: sweet

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☐ YES ☒ NO — VOLUME: 0 %

pH: ☐ < 2 ☐ 7.1-10 ☐ N/A ☒ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☒ EXACT 2

SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☒ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☒ EXACT 1.66

FLASH POINT: ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP ☐ 70°F-100°F ☐ NO FLASH ☒ OPEN CUP ☒ 101°F-139°F ☐ EXACT ☐ 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Moisture	30 %
Semi-volatiles (105-550°C)	20 %
Inert solids	50 %

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 10	SILVER (Ag)	< 3
CADMIUM (Cd)	< 2	COPPER (Cu)	94
CHROMIUM (Cr)	< 10	NICKEL (Ni)	< 50
MERCURY (Hg)	< 0.4	ZINC (Zn)	5
LEAD (Pb)	< 10	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	0.75	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	14

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Hazardous Waste, Solid, N.O.S.

HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.:

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: GALS. 1 CUBIC YARDS OTHER

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS:

☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO

USEPA HAZARDOUS CODE(S): F007

STATE HAZARDOUS WASTE? ☐ YES ☐ NO

STATE CODE(S):

H SPECIAL HANDLING INFORMATION

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE TITLE DATE

AR400246

The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID For the facility generating the waste. **STATE ID** if applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply.
FREE LIQUID - If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER**, and R.Q. (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT ... as are specified, they must ... specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME ... of volume measurement ... another unit of measure must be used ... that unit.
FREQUENCY The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE**, normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE**: capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement, or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. **WATER REACTIVE**, reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER** indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE**; emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL**, a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE** the waste was produced from a pesticide or herbicide manufacturing process or the waste is or contains waste pesticide or herbicide. Include as a specific item ... PART C. **OTHER**, list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES**.
STATE HAZARDOUS MATERIAL Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES**.

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of this response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
~~P. O. BOX 3065~~
MARIETTA, GEORGIA 30061
(Sales Office)

CHEMICAL WASTE MANAGEMENT
HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459
(Analytical Lab)

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-2: ACIDIC (pH≤3) SOLIDS

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: MAR G33409
TSDR

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated
TRANSPORTER: CWM
FACILITY ADDRESS:
TRANSPORTER PHONE: (205) 652-9721
GENERATOR USEPA I.D.
GENERATOR STATE I.D.
TECHNICAL CONTACT: TITLE: PHONE
NAME OF WASTE: Neutral (3<pH<9) solids
PROCESS GENERATING WASTE: Electroplating process waste clean-up

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Brown

ODOR: ☐ NONE ☐ MILD ☒ STRONG
DESCRIBE: Solvents

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☒ YES ☐ NO
VOLUME: 1 %

pH: ☐ < 2 ☒ 7.1-10 ☐ N/A ☐ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT 8

SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☒ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☒ EXACT 1.46

FLASH POINT: ☐ < 70°F ☐ > 200°F ☒ CLOSED CUP ☒ 70°F-100°F ☐ NO FLASH ☐ OPEN CUP ☐ 101°F-139°F ☐ EXACT ☐ 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Moisture	37 %
Semi-volatile organice (105-550°C)	18 %
Heavy metals (see right)	6 %
Inert solids	39 %

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	60	SILVER (Ag)	80
CADMIUM (Cd)	7	COPPER (Cu)	31,000
CHROMIUM (Cr)	220	NICKEL (Ni)	4,900
MERCURY (Hg)	< 0.4	ZINC (Zn)	27,000
LEAD (Pb)	50	THALLIUM (Tl)	50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	2,540	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	72

F SHIPPING INFORMATION

D.O.T HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: Hazardous Waste, Solid, N.O.S.
HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.:
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE):
ANTICIPATED VOLUME: GALS. 10 CUBIC YARDS OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS:
☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S): F008
STATE HAZARDOUS WASTE? ☐ YES ☐ NO
STATE CODE(S):

H SPECIAL HANDLING INFORMATION

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE | TITLE | DATE

AR400249

The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply.
FREE LIQUID -If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and **R.Q.** (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT - If drums are specified, they must be as specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - Gallons and cubic yards are emphasized as units of volume measurement. If another unit of measure must be used, indicate that unit.
FREQUENCY - The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE:** normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE:** capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. **WATER REACTIVE:** reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER:** indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE:** emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL:** a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE:** the waste was produced from a pesticide or herbicide manufacturing process; or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER:** list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES.**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical / Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
2600 DELK ROAD
SUITE 200
MARIETTA, GEORGIA 30067
(Sales Office)

TRADE WASTE INCINERATION
#7 MOBILE AVENUE
SAUGET, ILLINOIS 62201-1069
(Analytical Lab)

AR400250

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-1: NEUTRAL (3<pH<9) SOLIDS

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

MAD 25891

TSDR

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated

TRANSPORTER: CWM - Emelle

FACILITY ADDRESS: Route 3

TRANSPORTER PHONE: (205) 652-9721

Montross, Virginia 22520

GENERATOR USEPA I.D. APPLIED FOR

GENERATOR STATE I.D. VAP 00000 1568

TECHNICAL CONTACT: L. David Wheeless TITLE: Chief Engineer PHONE: (404) 952-9005

NAME OF WASTE:

PROCESS GENERATING WASTE: Clean-up of electroplating facility

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Blue/grey

ODOR: [X] NONE [ ] MILD [ ] STRONG — DESCRIBE

PHYSICAL STATE @ 70°F: [ ] SOLID [ ] SEMI-SOLID [X] LIQUID [ ] POWDER

LAYERS: [ ] MULTILAYERED [ ] BI-LAYERED [X] SINGLE PHASED

FREE LIQUIDS: [X] YES [ ] NO — VOLUME 55 %

pH: [ ] < 2 [ ] 7.1-10 [ ] N/A [ ] 2-4 [X] 10.1-12.5 [ ] 4.1-6.9 [ ] > 12.5 [ ] 7 [X] EXACT 12

SPECIFIC GRAVITY: [ ] < .8 [X] 1.3-1.4 [ ] .8-1.0 [ ] 1.5-1.7 [ ] 1.1-1.2 [ ] > 1.7 [X] EXACT 1.4

FLASH POINT: [ ] < 70°F [X] > 200°F [ ] CLOSED CUP [ ] 70°F-100°F [ ] NO FLASH [X] OPEN CUP [ ] 101°F-139°F [ ] EXACT [ ] 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Sulfate	11 %
Moisture	48 %
Ash (salts)	23 %
Semi-volatile organics (105-550°C)	18 %
	%
	%
	%
	%
	%
	%

D METALS [X] TOTAL (PPM) [ ] EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	< 3
CADMIUM (Cd)	< 2	COPPER (Cu)	4,700
CHROMIUM (Cr)	3,400	NICKEL (Ni)	< 50
MERCURY (Hg)	< 0.4	ZINC (Zn)	1,500
LEAD (Pb)	< 10	THALLIUM (Th)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	< 5	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	< 5

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? [X] YES [ ] NO

PROPER SHIPPING NAME: Hazardous waste, liquid, N.O.S.

HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.:

METHOD OF SHIPMENT: [X] BULK LIQUID [ ] BULK SOLID [ ] DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: 180 GALS. CUBIC YARDS OTHER

PER: [X] ONE TIME [ ] WEEK [ ] MONTH [ ] QUARTER [ ] YEAR [ ]

G HAZARDOUS CHARACTERISTICS

REACTIVITY: [X] NONE [ ] PYROPHORIC [ ] SHOCK SENSITIVE [ ] EXPLOSIVE [ ] WATER REACTIVE [ ] OTHER

OTHER HAZARDOUS CHARACTERISTICS:

[X] NONE [ ] RADIOACTIVE [ ] ETIOLOGICAL [ ] PESTICIDE MANUFACTURING WASTE [ ] OTHER

USEPA HAZARDOUS WASTE? [X] YES [ ] NO

USEPA HAZARDOUS CODE(S): F008

STATE HAZARDOUS WASTE? [X] YES [ ] NO

STATE CODE(S): F008

H SPECIAL HANDLING INFORMATION

[ ] ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE | TITLE | DATE

AR400252

The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Oth items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply.
FREE LIQUID -If any as packaged for shipment, estimate percent of volume.
pH - indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets, or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and **R.Q.** (Reportable Quantity) as defined in 49 CFR 302.

METHOD OF SHIPMENT - If drums are specified, they must be [redacted]ifie in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - Gallons and cubic yards are emphasized as un of volume measurement. If another unit of measure must be used, indica that unit.
FREQUENCY - The period during which the above ANTICIPATED VOLUM will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE**; normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE**; capable of detonation or explosive reaction if subjected to a strong initiating source or if heated und confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Cla B explosive as defined in 49 CFR 173.88. **WATER REACTIVE**, reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER**, indication of other reactive characteristics must be included (e.g. autopolymerizable, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE**; emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL**; a viable micro-organism or toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE**; the waste was produced from a pesticide or herbicide manufacturing process; or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER**, list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES**.
STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are [redacted] identify the attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to the waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical / Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 3065
MARIETTA, GEORGIA 30061

AR400253

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 55/HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459

(Analytical Lab)

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP L-21: Caustic Liquid in Tank

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-4: SOLID CORROSIVE OXIDIZER

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

MAL TSDR F20643

A. GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated
TRANSPORTER: CWM
FACILITY ADDRESS:
TRANSPORTER PHONE: (205) 652-9721
GENERATOR USEPA I.D.
GENERATOR STATE I.D.
TECHNICAL CONTACT: TITLE: PHONE:
NAME OF WASTE: Solid Corrosive Oxidizer
PROCESS GENERATING WASTE: Electroplating process waste clean-up

B. PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Blue

ODOR: ☐ NONE ☒ MILD ☐ STRONG
DESCRIBE: Acidic

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☐ YES ☒ NO
VOLUME: 0 %

pH: ☒ < 2 ☐ 2-4 ☐ 4.1-6.9 ☐ 7 ☐ 7.1-10 ☐ 10.1-12.5 ☐ > 12.5 ☒ EXACT 1 ☐ N/A

SPECIFIC GRAVITY: ☐ < .8 ☐ .8-1.0 ☐ 1.1-1.2 ☐ 1.3-1.4 ☐ 1.5-1.7 ☒ > 1.7 ☒ EXACT 1.86

FLASH POINT: ☐ < 70°F ☐ 70°F-100°F ☐ 101°F-139°F ☐ 140°F-200°F ☐ > 200°F ☒ NO FLASH ☐ EXACT ☐ CLOSED CUP ☒ OPEN CUP

C. CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Component	%
Moisture	40
Zinc as Zinc Sulfate	2
Copper as Cupric Sulfate	53
Inert Solids	5

D. METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

Metal	Value	Metal	Value
ARSENIC (As)	<10	SELENIUM (Se)	<10
BARIUM (Ba)	<50	SILVER (Ag)	<3
CADMIUM (Cd)	< 2	COPPER (Cu)	211,000
CHROMIUM (Cr)	20	NICKEL (Ni)	< 50
MERCURY (Hg)	< 0.4	ZINC (Zn)	8,200
LEAD (Pb)	< 10	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr+6)	< 10		

E. OTHER COMPONENTS - TOTAL (PPM)

Component	Value	Component	Value
CYANIDES	1.3	PCB'S	<10
SULFIDES	< 10	PHENOLICS	34

F. SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO
PROPER SHIPPING NAME: Hazardous Waste, Solid, N.O.S
HAZARD CLASS: ORM-E I.D. NO. NA9189 R.Q.
METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE)
ANTICIPATED VOLUME: GALS. 1 CUBIC YARDS OTHER
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G. HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER
OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER
USEPA HAZARDOUS WASTE? ☒ YES ☐ NO
USEPA HAZARDOUS CODE(S): F008
STATE HAZARDOUS WASTE? ☐ YES ☐ NO
STATE CODE(S):

H. SPECIAL HANDLING INFORMATION

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE TITLE DATE

AR400256

The following information is required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated or disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed in ink. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply
FREE LIQUID -If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets, or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Check the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and **R.Q.** (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT - If drums are specified, they must be as specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - Gallons and cubic yards are emphasized as units of volume measurement. If another unit of measure must be used, indicate that unit.
FREQUENCY - The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE;** normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE;** capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88 **WATER REACTIVE;** reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment **OTHER;** indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE;** emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL;** a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE;** the waste was produced from a pesticide or herbicide manufacturing process; or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER;** list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES.**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/ Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
~~P. O. BOX 3065~~
MARIETTA, GEORGIA 30061
(Sales Office)

AR400257

CHEMICAL WASTE MANAGEMENT
~~HWY. 17, MILE MARKER 163~~
EMELLE, ALABAMA 35459
(Analytical Lab)

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-5: SOLID CORROSIVE OXIDIZER

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: MAR

TSDR: F20640

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated

TRANSPORTER: CWM

FACILITY ADDRESS:

TRANSPORTER PHONE: (205) 652-9721

GENERATOR USEPA I.D.

GENERATOR STATE I.D.

TECHNICAL CONTACT: TITLE: PHONE:

NAME OF WASTE: Solid Corrosive Oxidizer

PROCESS GENERATING WASTE: Electroplating process waste clean-up

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Light Brown

ODOR: ☐ NONE ☒ MILD ☐ STRONG — DESCRIBE: Acidic

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☐ YES ☒ NO — VOLUME: 0 %

pH: ☒ < 2 ☐ 2-4 ☐ 4.1-6.9 ☐ 7 ☐ 7.1-10 ☐ 10.1-12.5 ☐ > 12.5 ☒ EXACT 1 ☐ N/A

SPECIFIC GRAVITY: ☐ < .8 ☐ .8-1.0 ☐ 1.1-1.2 ☒ EXACT 1.80 ☐ 1.3-1.4 ☐ 1.5-1.7 ☒ > 1.7

FLASH POINT: ☐ < 70°F ☐ 70°F-100°F ☐ 101°F-139°F ☐ 140°F-200°F ☐ > 200°F ☒ NO FLASH ☐ EXACT ☐ CLOSED CUP ☒ OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Inert Solids	47 %
Semi-volatile Organics (105-550°C)	19 %
Moisture	32 %
Heavy metals (See Right)	2 %
	%
	%
	%
	%
	%
	%

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	3
CADMIUM (Cd)	4	COPPER (Cu)	14,000
CHROMIUM (Cr)	50	NICKEL (Ni)	2,800
MERCURY (Hg)	< 0.4	ZINC (Zn)	5,700
LEAD (Pb)	60	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	41	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	< 8

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Hazardous Waste, Solid, N.O.S.

HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.:

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: GALS. 0.3 CUBIC YARDS ☐ OTHER

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS: ☒ NONE ☐ RADIOACTIVE ☐ ETIOLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO

USEPA HAZARDOUS CODE(S): F008

STATE HAZARDOUS WASTE? ☐ YES ☐ NO

STATE CODE(S):

H SPECIAL HANDLING INFORMATION

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE | TITLE | DATE

AR400259

... waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may ... in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. ... Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory ... other items need definition ... as follows

PART A · GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).
PHYSICAL STATE - Check as many as apply.
FREE LIQUID - If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets or other documents which adequately describe the composition of the waste. **For each component, indicate expected percent or range in which the component is present.** In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and or E should be included even if specific concentrations are not known. Any components listed in PARTs D and or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate ... to indicate if the metal's concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261 Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? **If YES, enter the SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER, and R.Q.** (Reportable Quantity) **as defined in 40 CFR 302.**

METHOD OF SHIPMENT - If drums are specified, they must be ... specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - Gallons and cubic yards are emphasized ... units of volume measurement. If another unit of measure must be used, indicate that unit.
FREQUENCY - The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC, will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE,** normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE:** capable of detonation or **explosive reaction if subjected to a strong initiating source or if heated under confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. WATER REACTIVE, reacts violently** with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER**, indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.).
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE:** emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL**, a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE**, the waste was produced from a pesticide or herbicide manufacturing process, or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER** list any known hazardous characteristics and elaborate in PART ... (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES.**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). *If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.*

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 3055
MARIETTA, GEORGIA 30061
(Sales Office)

CHEMICAL WASTE MANAGEMENT
HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459
(Analytical Lab)

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-6: SOLID CORROSIVE OXIDIZER

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

MAR TSDR F20639

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated

TRANSPORTER: CWM

FACILITY ADDRESS:

TRANSPORTER PHONE: (205) 652-9721

GENERATOR USEPA I.D.

GENERATOR STATE I.D.

TECHNICAL CONTACT: TITLE: PHONE:

NAME OF WASTE: Solid Corrosive Oxidizer

PROCESS GENERATING WASTE: Electroplating process waste clean-up

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Blue

ODOR: [X] NONE [ ] MILD [ ] STRONG

DESCRIBE:

PHYSICAL STATE @ 70°F: [X] SOLID [ ] SEMI-SOLID [ ] LIQUID [ ] POWDER

LAYERS: [ ] MULTILAYERED [ ] BI-LAYERED [X] SINGLE PHASED

FREE LIQUIDS: [ ] YES [X] NO VOLUME 0 %

pH: [X] < 2 [ ] 2-4 [ ] 4.1-6.9 [ ] 7 [ ] 7.1-10 [ ] 10.1-12.5 [ ] > 12.5 [ ] EXACT 1 [ ] N/A

SPECIFIC GRAVITY: [ ] < .8 [ ] .8-1.0 [ ] 1.1-1.2 [X] EXACT 2.03 [ ] 1.3-1.4 [ ] 1.5-1.7 [X] > 1.7

FLASH POINT: [ ] < 70°F [ ] 70°F-100°F [ ] 101°F-139°F [ ] 140°F-200°F [ ] > 200°F [X] NO FLASH [ ] EXACT [ ] CLOSED CUP [X] OPEN CUP

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Moisture	30 %
Semi-volatile Organics (paint pigments)	10 %
Copper as Cupric Sulfate	38 %
Zinc as Zinc Sulfate	1 %
Inert solids	21 %
	%
	%
	%
	%
	%

D METALS [X] TOTAL (PPM) [ ] EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	4
CADMIUM (Cd)	< 2	COPPER (Cu)	150,000
CHROMIUM (Cr)	180	NICKEL (Ni)	130
MERCURY (Hg)	< 0.4	ZINC (Zn)	2,800
LEAD (Pb)	< 10	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	< 0.25	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	18

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? [X] YES [ ] NO

PROPER SHIPPING NAME: Hazardous Waste, Solid, N.O.S.

HAZARD CLASS: ORM-E I.D. NO.: NA9189 R.Q.:

METHOD OF SHIPMENT: [ ] BULK LIQUID [ ] BULK SOLID [X] DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: GALS. 1/2 CUBIC YARDS [ ] OTHER

PER: [X] ONE TIME [ ] WEEK [ ] MONTH [ ] QUARTER [ ] YEAR [ ]

G HAZARDOUS CHARACTERISTICS

REACTIVITY: [X] NONE [ ] PYROPHORIC [ ] SHOCK SENSITIVE [ ] EXPLOSIVE [ ] WATER REACTIVE [ ] OTHER

OTHER HAZARDOUS CHARACTERISTICS:

[X] NONE [ ] RADIOACTIVE [ ] ETIOLOGICAL [ ] PESTICIDE MANUFACTURING WASTE [ ] OTHER

USEPA HAZARDOUS WASTE? [X] YES [ ] NO

USEPA HAZARDOUS CODE(S): F008

STATE HAZARDOUS WASTE? [ ] YES [ ] NO

STATE CODE(S):

H SPECIAL HANDLING INFORMATION

[ ] ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE TITLE DATE

AR400262

This [illegible] for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that [illegible] in a technically, legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers [illegible] to all questions [illegible]. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory [illegible] items need definition [illegible] as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone number should be filled in.
USEPA ID - For the facility generating the waste. **STATE ID** - If applicable.
TECHNICAL CONTACT - A person who could give additional information about the waste if needed.
WASTE NAME - A name which will be generally descriptive of its major chemical composition.
PROCESS GENERATING WASTE - Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.)
PHYSICAL STATE - Check as many as apply.
FREE LIQUID - If any as packaged for shipment, estimate percent of volume.
pH - Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.
SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.
FLASH POINT - A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and R.Q. (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT - If drums are used [illegible] in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME - [illegible] of volume measurement. If another unit of measure must be used [illegible] that unit.
FREQUENCY - The period during which the above ANTICIPATED VOLUME will be generated.

PART G - HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC: will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE:** normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE:** capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. **WATER REACTIVE:** reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER** indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.)
OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following: **RADIOACTIVE:** emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL:** a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE:** the waste was produced from a pesticide or herbicide manufacturing process; or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER,** list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).
USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES.**
STATE HAZARDOUS MATERIAL - Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES.**

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the *Generator's Waste Material Profile Sheet*.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain: Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
P. O. BOX 3065
MARIETTA, GEORGIA 30061
(Sales Office)

CHEMICAL WASTE MANAGEMENT
HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459
(Analytical Lab)

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-7: SOLID OXIDIZER

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

MAR TSDR F20638

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated

TRANSPORTER: CWM

FACILITY ADDRESS:

TRANSPORTER PHONE: (205) 652-9721

GENERATOR USEPA I.D.

GENERATOR STATE I.D.

TECHNICAL CONTACT: TITLE: PHONE:

NAME OF WASTE: Solid oxidizer

PROCESS GENERATING WASTE: Electroplating process waste clean-up

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Gray Brown

ODOR: ☐ NONE ☒ MILD ☐ STRONG — DESCRIBE: Acidic

PHYSICAL STATE @ 70°F: ☒ SOLID ☐ SEMI-SOLID ☐ LIQUID ☐ POWDER

LAYERS: ☐ MULTILAYERED ☐ BI-LAYERED ☒ SINGLE PHASED

FREE LIQUIDS: ☐ YES ☒ NO — VOLUME: 0 %

pH: ☐ < 2 ☐ 7.1-10 ☐ N/A ☒ 2-4 ☐ 10.1-12.5 ☐ 4.1-6.9 ☐ > 12.5 ☐ 7 ☐ EXACT 3

SPECIFIC GRAVITY: ☐ < .8 ☐ 1.3-1.4 ☐ .8-1.0 ☐ 1.5-1.7 ☐ 1.1-1.2 ☐ > 1.7 ☒ EXACT 1.36

FLASH POINT: ☐ < 70°F ☐ > 200°F ☐ CLOSED CUP ☐ 70°F-100°F ☐ NO FLASH ☒ OPEN CUP ☐ 101°F-139°F ☐ EXACT ☒ 140°F-200°F

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

Moisture	22 %
Copper as Cupric Sulfate	60 %
Zinc as Zinc Sulfate	7 %
Semi-volatile Organics (105-550°C)	10 %
Inert solids	1 %
	%
	%
	%
	%
	%

D METALS ☒ TOTAL (PPM) ☐ EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	< 10	SELENIUM (Se)	< 10
BARIUM (Ba)	< 50	SILVER (Ag)	10
CADMIUM (Cd)	< 2	COPPER (Cu)	240,000
CHROMIUM (Cr)	90	NICKEL (Ni)	180
MERCURY (Hg)	< 0.4	ZINC (Zn)	28,000
LEAD (Pb)	< 10	THALLIUM (Tl)	< 50
CHROMIUM-HEX (Cr + 6)	< 10		

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	30	PCB'S	< 10
SULFIDES	< 10	PHENOLICS	< 8

F SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? ☒ YES ☐ NO

PROPER SHIPPING NAME: Hazardous Waste, Solid, N.O.S.

HAZARD CLASS: ORM-E I.D. NO. R.Q.

METHOD OF SHIPMENT: ☐ BULK LIQUID ☐ BULK SOLID ☒ DRUM (TYPE/SIZE)

ANTICIPATED VOLUME: GALS. 1 CUBIC YARDS OTHER

PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

G HAZARDOUS CHARACTERISTICS

REACTIVITY: ☒ NONE ☐ PYROPHORIC ☐ SHOCK SENSITIVE ☐ EXPLOSIVE ☐ WATER REACTIVE ☐ OTHER

OTHER HAZARDOUS CHARACTERISTICS:

☒ NONE ☐ RADIOACTIVE ☐ ETIDLOGICAL ☐ PESTICIDE MANUFACTURING WASTE ☐ OTHER

USEPA HAZARDOUS WASTE? ☒ YES ☐ NO

USEPA HAZARDOUS CODE(S): F008

STATE HAZARDOUS WASTE? ☐ YES ☐ NO

STATE CODE(S):

H SPECIAL HANDLING INFORMATION

☐ ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE, AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE TITLE DATE

AR400265

The [illegible] required for all waste to be considered for transportation, storage, treatment or disposal. It is used to determine that the waste may be transported, stored, treated [illegible] disposed of in a legal, safe and environmentally sound manner. This information will be maintained in strict confidence. Answers must be made to all questions and must be completed [illegible]. Responses of "NONE" or "NOT APPLICABLE" should be made if appropriate. Most items required are self-explanatory. Other items need definition or instruction as follows.

PART A - GENERAL INFORMATION

TRANSPORTER - If you transport the waste, indicate "SELF". Otherwise, the transporting company's name and phone [illegible]

USEPA ID - For the facility generating the waste. **STATE ID** - if applicable.

TECHNICAL CONTACT - A person who could give additional information about the waste if needed.

WASTE NAME - A name which will be generally descriptive of its major chemical composition.

PROCESS GENERATING WASTE Specific process or source which generates the waste.

PART B - PHYSICAL CHARACTERISTICS OF WASTE

ODOR - If present, describe as well as possible (e.g. solvent, acrid, sweet, etc.).

PHYSICAL STATE - Check as many as apply.

FREE LIQUID - If any as packaged for shipment, estimate percent of volume.

pH Indicate for liquid or liquid portions of waste. Check as many boxes as necessary to cover the expected range of the waste. For solid or organic liquid wastes, indicate "NOT APPLICABLE" or the pH of a 10% aqueous solution of the waste if available.

SPECIFIC GRAVITY - The weight of the waste in terms of the weight of an equal volume of water.

FLASH POINT A value attained using the appropriate testing method as set forth in 40 CFR 261.

PART C - CHEMICAL COMPOSITION

List all organic and/or inorganic components of the waste using specific chemical names. If trade names are used, attach Material Safety Data sheets, or other documents which adequately describe the composition of the waste. For each component, indicate expected percent or range in which the component is present. In case of extreme pH (less than 2 or greater than 12.5), indicate specific acid or caustic species. Any hazardous components present in "trace" amounts and not specifically mentioned in PARTs D and/or E should be included, even if specific concentrations are not known. Any components listed in PARTs D and/or E which exceed 10,000 PPM (1%) must be included. Components must total to 100% including water, earth, or other components. If a unit of measure other than percent must be used, indicate that unit.

PART D - METALS

Use the appropriate box to indicate if the metals concentrations listed in this section are represented as the total metals or as leachable metals as defined by the Extraction Procedure, 40 CFR 261, Appendix II.

PART E - OTHER COMPONENTS

If data for this PART (or any other PART) were obtained from a laboratory analysis of the waste, please attach the analytical method used.

PART F - SHIPPING INFORMATION

DOT HAZARDOUS MATERIAL - Is the waste a USDOT hazardous material as defined in 49 CFR 172.101? If YES, enter the **SHIPPING NAME, HAZARD CLASS, DOT ID NUMBER,** and **R.Q.** (Reportable Quantity) as defined in 40 CFR 302.

METHOD OF SHIPMENT If drums are specified, they must be as specified in 49 CFR 173, 178 or 179.

ANTICIPATED VOLUME [illegible] of volume measurement. If another unit of measure must be used, indicate that unit.

FREQUENCY - The period during which the above ANTICIPATED VOLUME will be generated.

PART G HAZARDOUS CHARACTERISTICS

REACTIVITY - PYROPHORIC will ignite spontaneously in air at below 130°F (54.4°C). **SHOCK SENSITIVE**, normally unstable and readily undergoes violent change without detonating. **EXPLOSIVE**: capable of detonation or explosive reaction if subjected to a strong initiating source or if heated under confinement; or a forbidden explosive as defined in 49 CFR 173.53, or a Class B explosive as defined in 49 CFR 173.88. **WATER REACTIVE**: reacts violently with water, or forms potentially explosive mixtures with water, or when mixed with water forms toxic gases, vapors, or fumes in a quantity sufficient to present a danger to human health or the environment. **OTHER**, indications of other reactive characteristics must be included (e.g. autopolymerization, peroxide-forming, etc.)

OTHER HAZARDOUS CHARACTERISTICS - Complete if the waste contains or has ever contained any component which is considered to be any of the following. **RADIOACTIVE**: emits alpha, beta or gamma radiation above normal background levels. **ETIOLOGICAL**: a viable micro-organism or its toxin which causes or may cause human disease. **PESTICIDE MANUFACTURING WASTE**: the waste was produced from a pesticide or herbicide manufacturing process, or, the waste is or contains waste pesticide or herbicide. Include as a specific item in PART C. **OTHER**, list any known hazardous characteristics and elaborate in PART H (e.g. carcinogenic, teratogenic, mutagenic).

USEPA HAZARDOUS WASTE - As defined according to RCRA in 40 CFR 261. If yes, enter applicable **USEPA CODES**.

STATE HAZARDOUS MATERIAL Indicate whether the waste is regulated as a hazardous waste in your state. If yes, then complete the **STATE CODES**.

PART H - SPECIAL HANDLING INFORMATION

Describe those hazards which you know or reasonably believe are or may be associated with short or prolonged human exposure to this waste. Attach relevant documents as a part of your response if appropriate. If documents are attached, identify those attachments (e.g. toxicology reports, TSCA notifications of significant adverse reactions to health, TSCA notifications of substantial risk, or Material Safety Data sheets). Failure to make an entry in this PART is considered as a representation that you neither know nor believe that there are any adverse human health effects associated with exposure to this waste.

Also include in this PART any information that will aid in the management of the waste (i.e. transportation, storage, treatment, disposal).

SIGNATURE

The generator of the waste or the generator's agent must sign and date the Generator's Waste Material Profile Sheet.

Collect, package and label for shipment and analysis one liter (about one quart) representative sample of the waste to be considered. This sample must be collected in accordance with "Test Methods for the Evaluation of Solid Waste, Physical/Chemical Methods", SW846, USEPA, Office of Solid Waste, Washington, DC, 20460. A suitable sample container for most waste is a wide mouth glass bottle with a plastic cap containing a non-reactive liner. Waste containing strong caustics or fluorides require a plastic container. Fill to approximately 90% of capacity to allow for expansion during transportation. An identification label must be attached to the sample and contain Generator Name, Waste Name (from PART A), Generator's Waste Profile Sheet Code number, and Sampling Date.

If the waste is a hazardous material, the sample must be packaged and shipped in accordance with USDOT regulations for the waste material (49 CFR 171.2 May 22, 1980). If shipping via United Parcel Service, consult its "Guide for Shipping Hazardous Materials Via UPS". Any waste sample not shipped in conformance with the specified instructions may be disposed of immediately.

DISTRIBUTION OF COPIES - Retain the LAST copy for your records. Send the NEXT LAST copy to the address listed to the below-left. Include all remaining copies of this Generator's Waste Material Profile Sheet and attachments within the sample shipping package, ensuring that if the sample leaks, the paperwork will remain intact. Send this package to the address at the below-right.

CHEMICAL WASTE MANAGEMENT, INC.
~~P. O. BOX 3065~~
MARIETTA, GEORGIA 30061
(Sales Office)

CHEMICAL WASTE MANAGEMENT
~~HWY. 17, MILE MARKER 163~~
EMELLE, ALABAMA 35459
(Analytical Lab)

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-8: SOLID INSECTICIDE

Waste Management, Inc.

GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: MAR G33001
TSDR

GENERAL INFORMATION

GENERATOR NAME: SCOVILL, INCORPORATED
TRANSPORTER: CWM
FACILITY ADDRESS: Route 3
Montross, Virginia 22520
TRANSPORTER PHONE: (205) 652-9721
GENERATOR USEPA I.D. A P P L I E D F O R
GENERATOR STATE I.D. VAP 00000 1568
TECHNICAL CONTACT: L. David Wheeless
TITLE: Chief Engineer
PHONE: (404) 952-9005
NAME OF WASTE: O,O-Diethyl S-[2-(ethylthio)ethyl] phosphorodithioate
PROCESS GENERATING WASTE: Clean-up of electroplating facility

B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Gray-tan

ODOR: [X] NONE [ ] MILD [ ] STRONG
DESCRIBE:

PHYSICAL STATE @ 70°F: [X] SOLID [ ] SEMI-SOLID [ ] LIQUID [ ] POWDER

LAYERS: [ ] MULTILAYERED [ ] BI-LAYERED [X] SINGLE PHASED

FREE LIQUIDS: [ ] YES [X] NO
VOLUME: %

pH: [ ] < 2 [ ] 2-4 [ ] 4.1-6.9 [ ] 7 [ ] 7.1-10 [ ] 10.1-12.5 [ ] > 12.5 [ ] EXACT See Attached [ ] N/A

SPECIFIC GRAVITY: [X] < .8 [ ] .8-1.0 [ ] 1.1-1.2 [ ] EXACT [ ] 1.3-1.4 [ ] 1.5-1.7 [ ] > 1.7

FLASH POINT: [ ] < 70°F [ ] 70°F-100°F [ ] 101°F-139°F [ ] 140°F-200°F [ ] > 200°F [ ] NO FLASH [ ] EXACT [ ] CLOSED CUP [ ] OPEN CUP
See Attached

C CHEMICAL COMPOSITION (TOTALS MUST ADD TO 100%)

See Attached

D METALS [ ] TOTAL (PPM) [ ] EPA EXTRACTION PROCEDURE (mg/L)

ARSENIC (As)	See Attached	SELENIUM (Se)	
BARIUM (Ba)		SILVER (Ag)	
CADMIUM (Cd)		COPPER (Cu)	
CHROMIUM (Cr)		NICKEL (Ni)	
MERCURY (Hg)		ZINC (Zn)	
LEAD (Pb)		THALLIUM (Tl)	
CHROMIUM-HEX (Cr + 6)			

E OTHER COMPONENTS - TOTAL (PPM)

CYANIDES	See Attached	PCB'S	
SULFIDES		PHENOLICS	

SHIPPING INFORMATION

D.O.T. HAZARDOUS MATERIAL? [X] YES [ ] NO
PROPER SHIPPING NAME: Disulfoton mixture, dry
HAZARD CLASS: Class B Poison I.D. NO.: NA2783 P.G.: 1#
METHOD OF SHIPMENT: [ ] BULK LIQUID [ ] BULK SOLID [X] DRUM (TYPE/SIZE)
ANTICIPATED VOLUME: GALS. CUBIC YARDS
50 OTHER: lbs
PER: [X] ONE TIME [ ] WEEK [ ] MONTH [ ] QUARTER [ ] YEAR [ ]

G HAZARDOUS CHARACTERISTICS

REACTIVITY: [X] NONE [ ] PYROPHORIC [ ] SHOCK SENSITIVE [ ] EXPLOSIVE [ ] WATER REACTIVE [ ] OTHER

OTHER HAZARDOUS CHARACTERISTICS:
[ ] NONE [ ] RADIOACTIVE [ ] ETIOLOGICAL [X] PESTICIDE MANUFACTURING WASTE [ ] OTHER

USEPA HAZARDOUS WASTE? [X] YES [ ] NO
USEPA HAZARDOUS CODE(S): P039

STATE HAZARDOUS WASTE? [ ] YES [ ] NO
STATE CODE(S):

SPECIAL HANDLING INFORMATION

Avoid sustained temperatures above 100°F.

[X] ADDITIONAL PAGE(S) ATTACHED

I HEREBY CERTIFY THAT ALL INFORMATION SUBMITTED IN THIS AND ALL ATTACHED DOCUMENTS IS COMPLETE AND ACCURATE AND THAT ALL KNOWN OR SUSPECTED HAZARDS HAVE BEEN DISCLOSED.

AUTHORIZED SIGNATURE TITLE DATE

AR400268

MATERIAL SAFETY DATA SHEET

MOBAY CHEMICAL CORPORATION PITTSBURGH, PA 15205

DATA SHEET NO.	5029
DIVISION	Ag. Chem.
ISSUE DATE	5-18-81
[illegible]	CDS
[illegible]	6-25-80

MANUFACTURING DIV. ADDRESS

MOBAY CHEMICAL CORPORATION - AGRICULTURAL CHEMICALS DIVISION
P.O. Box 4913 (Hawthorn Road) - Kansas City, Missouri 6412[illegible]

CHEMTREC CHEMICAL TRANSPORTATION EMERGENCY
TELEPHONE NO. 800-424-9300; DISTRICT OF COLUMBIA 202-483-7616

MOBAY NON TRANSPORTATION EMERGENCY NO.
(816) 2[illegible]2-2582

PRODUCT NAME
DI-SYSTON 15% Granular

PRODUCT CODE NUMBER
Formula No. 011651

CHEMICAL FAMILY
Organo phosphorus pesticide

CHEMICAL NAME & SYNONYMS
O,O-Diethyl S-[2-(ethylthio)ethyl] phosphorodithioate

CHEMICAL FORMULA
$(C_2H_5O)_2P(S) \cdot SCH_2CH_2 \cdot SC_2H_5$

TRADE NAME & SYNONYMS
Disulfoton

HAZARDOUS INGREDIENTS

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS, OR GASES	%	CURRENT TLV
DI-SYSTON	15	0.1 mg/m^3

PHYSICAL DATA

APPEARANCE SOLID LIQUID GAS: Solid	MOLECULAR WEIGHT: 274 (A.I.)	MELT POINT: NE (A.I.)	SPECIFIC GRAVITY: NA
VAPOR DENSITY (AIR = 1): NA	COLOR: Gray-tan	BULK DENSITY: 40-45#/ft^3	BOILING POINT: NA
VAPOR PRESSURE: NA	SOLUBILITY: Negligible (A.I.)	ODOR: Characteristic of organo-sulfur compounds	% VOLATILE BY VOLUME: NE

FIRE & EXPLOSION DATA

FLASH POINT °F (METHOD USED)	FLAMMABLE LIMIT	EXTINGUISHING MEDIA
NA	Lel NA Uel NA	Water spray

SPECIAL FIRE FIGHTING PROCEDURES

Use self-contained breathing equipment. Stay out of smoke. Cool exposed containers with water spray.

UNUSUAL FIRE OR EXPLOSION HAZARDS

TOXICITY DATA

LD_{50} ORAL INGESTION: Rat 14 mg/kg	LD50 DERMAL (SKIN CONTACT): Rabbit ~ 1,000 mg/kg	INHALATION LC_{50}: Rat >20,000 ug/L/hour
FISH LC50 (LETHAL CONCENTRATION): NE	TLV (UNITS) (THRESHOLD LIMIT VALUE): (DI-SYSTON) 0.1 mg/m^3	SKIN IRRITATION: NE
EFFECTS TO EYE: NE	EFFECTS TO LUNG: NE	OTHER: NE

EMERGENCY AND FIRST AID PROCEDURES, EFFECTS OF OVER EXPOSURE

If swallowed, induce vomiting.

Remove contaminated clothing and flush eyes and skin with water. Shower thoroughly, washing skin and hair with soap and water.

Symptoms of overexposure are headache, dizziness, ataxia, constricted pupils, nausea, vomiting, sweating, respiratory depression, cholinesterase depression.

Consult physician.

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REACTIVITY DATA

Formula No. 011051

STABILITY	CONDITIONS TO AVOID
Stable	Sustained temperatures above 100° F.
POLYMERIZATION	CONDITIONS TO AVOID
Will not occur	

INCOMPATABILITY (MATERIALS TO AVOID)
Strong oxidizing agents

HAZARDOUS DECOMPOSITION PRODUCTS
P_2O_5, CO, SO_2, ethyl mercaptan

SPILL OR LEAK PROCEDURE

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED
Avoid skin contact and breathing dusts. Sweep up spilled material and place in container. Scrub area with detergent and bleach. Rinse with water.

WASTE DISPOSAL METHOD
Bury in EPA-approved hazardous materials landfill or burn in an incinerator approved for pesticide destruction.

SPECIAL PROTECTION DATA

RESPIRATOR TYPE
NIOSH-approved chemical cartridge respirator with pesticide cartridges and dust pads.

EYE PROTECTION	GLOVES
Goggles	Latex

OTHER PROTECTIVE EQUIPMENT
Launder clothing daily after use.

SPECIAL PRECAUTIONS & STORAGE DATA

STORAGE TEMPERATURE	AVERAGE SHELF LIFE
Min. None 30-day average Max. not to exceed 100° F.	NE

SPECIAL SENSITIVITY (HEAT, LIGHT, MOISTURE)
Moisture, excessive heat

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING
DO NOT store near any material intended for human or animal consumption or use. 30-day average storage temperature should not exceed 100° F.

SHIPPING DATA

D O T SHIPPING NAME	TECHNICAL SHIPPING NAME
Disulfoton mixture, Dry, NA 2783 RQ	Disulfoton

D O T HAZARD CLASSIFICATION
Primary: Class B Poison Secondary:

D O T LABELS REQUIRED	FREIGHT CLASSIFICATION
Poison	Insecticides, Agricultural, O/T Liquid

REASON FOR ISSUE
To revise Material Safety Data Sheet

INITIATED BY / TITLE	APPROVED / TITLE
Larry R. Thompson / Industrial Hygienist	W. J. Brinkman Mgr., Air Quality & Ind'l.
DATE INITIATED	DATE APPROVED
5-18-81	5-18-81

NE = NOT ESTABLISHED NA = NOT APPLICABLE

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP EDT: Empty Drums and Trash

GENERATOR'S WASTE MATERIAL PROFILE SHEET
MISCELLANEOUS SPECIAL WASTE

WASTE PROFILE SHEET CODE: T 31656

INSTRUCTIONS FOR COMPLETING THIS FORM ARE FOUND ON THE OPPOSITE SIDE. RETURN THIS FORM AND ATTACHMENTS TO:

CHEMICAL WASTE MANAGEMENT
HWY. 17, MILE MARKER 163
EMELLE, ALABAMA 35459

A GENERAL INFORMATION

GENERATOR NAME: Scovill, Incorporated
TRANSPORTER: CWM - Emelle
FACILITY ADDRESS:
TRANSPORTER PHONE: (205)652-9721
GENERATOR USEPA I.D.
GENERATOR STATE I.D.
TECHNICAL CONTACT: TITLE: PHONE:
NAME OF WASTE: Empty drums, miscellaneous chemicals, residue and debris
PROCESS GENERATING WASTE: Clean-up of Electroplating Facility Waste

B CLASSIFICATION OF WASTE MATERIAL (FROM INSTRUCTIONS):
3, 6

DESCRIPTION OF MATERIAL (FOLLOW SUPPLEMENTAL INSTRUCTIONS):

"Empty" containers of waste commercial products or chemicals - empty drums, cans, bags, etc. possibly containing residuals of the product or chemical

Residue and debris from clean-up of any spills which might occur

ATTACHMENTS (INDICATE BELOW WHAT ATTACHMENTS — ANALYSIS, STUDIES, PRODUCT SPEC SHEETS, ETC. — ARE MADE):

C SHIPPING INFORMATION

METHOD OF SHIPMENT: ☐ BULK LIQUID ☒ BULK SOLID ☐ DRUM (TYPE/SIZE)
ANTICIPATED VOLUME: GALS. CUBIC YDS. OTHER 8 tons
PER: ☒ ONE TIME ☐ WEEK ☐ MONTH ☐ QUARTER ☐ YEAR ☐

GENERATOR CERTIFICATION. BY SIGNING THIS PROFILE SHEET, GENERATOR CERTIFIES THAT:
- UNLESS CLEARLY STATED ABOVE OR IN THE ATTACHMENTS, THIS WASTE MATERIAL IS NOT A "HAZARDOUS WASTE" AS DEFINED BY EITHER USEPA (40 CFR PART 261) OR THE STATE IN WHICH THE WASTE IS NOW LOCATED.
- THE WASTE DOES NOT CONTAIN POLYCHLORINATED BIPHENYLS OR 2, 3, 7, 8 - TCDD, UNLESS CLEARLY NOTED.
- THIS SHEET AND ITS ATTACHMENTS CONTAIN TRUE AND ACCURATE DESCRIPTIONS OF THE WASTE MATERIAL, AND ALL RELEVANT INFORMATION IN THE POSSESSION OF GENERATOR HAS BEEN DISCLOSED.

NAME: SIGNATURE:
TITLE: DATE:

AR400272

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-9: Sumps, Acidic Solids

LAB ANALYSIS IN PROGRESS

GENERATOR'S WASTE MATERIAL PROFILE SHEETS

GROUP S-10: Sumps, Neutral Solids

LAB ANALYSIS IN PROGRESS