OIL PROCESS CO.

# GENERATOR'S WASTE MATERIAL PROFILE SHEET

12668

## A GENERAL INFORMATION

GENERATOR NAME: _____ TRANSPORTER: _____

FACILITY ADDRESS: _____ TRANSPORTER PHONE: _____

_____ GENERATOR USEPA I.D. _____

_____ GENERATOR STATE I.D. _____

TECHNICAL CONTACT: _____ TITLE: _____ PHONE: _____

NAME OF WASTE: Conversion coating 01-538, 06-185

PROCESS GENERATING WASTE: _____

## B PHYSICAL CHARACTERISTICS OF WASTE

COLOR: Lt. yellow

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 100 %

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

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

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

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

| | |
|---|---|
| Alodine 1500 | 1.0 % |
| Water | Bal % |
| | % |
| | % |
| | % |
| | % |
| | % |
| | % |
| | % |
| | % |

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

| | | | |
|---|---|---|---|
| ARSENIC (As) | 0 | SELENIUM (Se) | 0 |
| BARIUM (Ba) | 0 | SILVER (Ag) | 0 |
| CADMIUM (Cd) | 0 | COPPER (Cu) | 0 |
| CHROMIUM (Cr) | 300 | NICKEL (Ni) | 0 |
| MERCURY (Hg) | 0 | ZINC (Zn) | 2 |
| LEAD (Pb) | 0 | THALLIUM (Tl) | 0 |
| CHROMIUM-HEX (Cr + 6) | 300 | | |

## E OTHER COMPONENTS - TOTAL (PPM)

| | | | |
|---|---|---|---|
| CYANIDES | 0 | PCB'S | 0 |
| SULFIDES | 0 | PHENOLICS | 0 |

## F SHIPPING INFORMATION

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

PROPER SHIPPING NAME _____

HAZARD CLASS _____ I.D. NO. _____ R.Q. _____

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

ANTICIPATED VOLUME: _____ GALS. _____ CUBIC YARDS _____ OTHER _____

PER: [ ] 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 [ ] PESTICIDE MANUFACTURING WASTE [ ] OTHER _____

USEPA HAZARDOUS WASTE? [ ] YES [ ] NO

USEPA HAZARDOUS CODE(S) _____

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 _____

OPC 6 REV. 5/83

# Waste Management, Inc.

## GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE

TSDR D40665

**A GENERAL INFORMATION**

GENERATOR NAME:

TRANSPORTER:

FACILITY ADDRESS:

TRANSPORTER PHONE:

GENERATOR USEPA I.D.

GENERATOR STATE I.D.

TECHNICAL CONTACT: TITLE: PHONE:

NAME OF WASTE: TANK 538 CONVERSION COATING

PROCESS GENERATING WASTE:

**B PHYSICAL CHARACTERISTICS OF WASTE**

COLOR: Lt. Yellow

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: 100 %

pH: [ ] < 2 [ ] 7.1 - 10 [ ] N/A [ ] 2-4 [ ] 10.1 - 12.5 [ ] 4.1 - 6.9 [ ] > 12.5 [ ] 7 [X] EXACT 2.8

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

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

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

| | |
|---|---|
| Alodine 1500 | 86-12 % |
| DEIONIZED WATER | BAL % |
| | % |
| | % |
| | % |
| | % |
| | % |
| | % |
| | % |
| | % |

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

| | | | |
|---|---|---|---|
| ARSENIC (As) | 0 | SELENIUM (Se) | 0 |
| BARIUM (Ba) | 0 | SILVER (Ag) | 0 |
| CADMIUM (Cd) | 0 | COPPER (Cu) | 0 |
| CHROMIUM (Cr) | 369 | NICKEL (Ni) | 0 |
| MERCURY (Hg) | 0 | ZINC (Zn) | 3 |
| LEAD (Pb) | 0 | THALLIUM (Th) | |
| CHROMIUM-HEX (Cr + 6) | 369 | | |

**E OTHER COMPONENTS** - TOTAL (PPM)

| | | | |
|---|---|---|---|
| CYANIDES | | PCB'S | |
| SULFIDES | | PHENOLICS | |

**F SHIPPING INFORMATION**

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

PROPER SHIPPING NAME

HAZARD CLASS I.D. NO. R.Q.

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

ANTICIPATED VOLUME: GALS. CUBIC YARDS OTHER

PER: [ ] 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? [ ] YES [ ] NO

USEPA HAZARDOUS CODE(S)

STATE HAZARDOUS WASTE? [ ] YES [ ] NO

STATE CODE(S)

**H SPECIAL HANDLING INFORMATION**

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AUTHORIZED SIGNATURE TITLE DATE

BOE-C6-0230888

C6

# Waste Management, Inc.

## GENERATOR'S WASTE MATERIAL PROFILE SHEET

WASTE PROFILE SHEET CODE: D

TSDR

TANK 185

01-538

**A GENERAL INFORMATION**

GENERATOR NAME:

TRANSPORTER:

FACILITY ADDRESS:

TRANSPORTER PHONE:

GENERATOR USEPA I.D.

GENERATOR STATE I.D.

TECHNICAL CONTACT: TITLE: PHONE:

NAME OF WASTE: CONVERSION COATING TANK #185

PROCESS GENERATING WASTE:

**B PHYSICAL CHARACTERISTICS OF WASTE**

COLOR: Lt. Yellow

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 100 %

pH: [ ] < 2 [ ] 7.1-10 [ ] N/A [ ] 2-4 [ ] 10.1-12.5 [ ] 4.1-6.9 [ ] > 12.5 [ ] 7 [X] EXACT 2.5

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

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

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

| | |
|---|---|
| CHROMIC ACID | <1 % |
| FLUORIDE SALTS | (.5-.6) % |
| DEIONIZED WATER | BAL % |
| * Alodine 1500 | % |

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

| | | | |
|---|---|---|---|
| ARSENIC (As) | 0 | SELENIUM (Se) | 0 |
| BARIUM (Ba) | 0 | SILVER (Ag) | 0 |
| CADMIUM (Cd) | 0 | COPPER (Cu) | 2 |
| CHROMIUM (Cr) | 220 | NICKEL (Ni) | 2 |
| MERCURY (Hg) | 0 | ZINC (Zn) | 2 |
| LEAD (Pb) | 0 | THALLIUM (Th) | 0 |
| CHROMIUM-HEX (Cr + 6) | 220 | | |

**E OTHER COMPONENTS - TOTAL (PPM)**

| | | | |
|---|---|---|---|
| CYANIDES | 0 | PCB'S | 0 |
| SULFIDES | 0 | PHENOLICS | 0 |

**F SHIPPING INFORMATION**

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

PROPER SHIPPING NAME

HAZARD CLASS I.D. NO. R.Q.

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USEPA HAZARDOUS WASTE? [ ] YES [ ] NO

USEPA HAZARDOUS CODE(S)

STATE HAZARDOUS WASTE? [ ] YES [ ] NO

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AUTHORIZED SIGNATURE TITLE DATE

CHAMCHEM1

Revised Date: March 29, 1984

# MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor "Essentially Similar" to Form OSHA-20)

I. Manufacturer's Name: Amchem Products, Inc.
Address (number, street): 300 Brookside Avenue
(City, state, zip code): Ambler, PA 19002
Emergency Telephone Number: (215) 628-1000
Information Supplied by: Hugh Gehman
Date: 3/24/83 Title: Coordinator of Registration and Labeling

Product Trade Name: Alodine 1500
Chemical Name & Synonyms:
Chemical Family:
Formula:
Special Hazards:

## II. HAZARDOUS INGREDIENTS

| MATERIAL | % | TLV (Units) | MATERIAL | % | TLV (Units) |
|---|---|---|---|---|---|
| Chromic acid | 3-5 | 0.05mg/M3 | | | |
| Ammonium fluozirconate | 2-4 | | | | |
| Fluozirconic acid | 1-3 | | | | |

CONFIDENTIAL
Proprietary Information
Amchem Products, Inc.

## III. PHYSICAL DATA

a. Boiling point (°F) > 212
b. Vapor pressure (mmHg)
c. Vapor density (Air = 1)
d. Solubility in water (%) Complete
e. Specific gravity ($H_2O$ = 1) 1.04-1.06
f. Per cent volatile by volume
g. Evaporation rate (_____ = 1)
h. Appearance & odor: Yellow orange liquid; odorless

## IV. FIRE AND EXPLOSION HAZARD DATA

a. Flash point (state method, °F) None
b. Ignition temperature (°F)
c. Flammable limits in air, LEL UEL
d. Extinguishing media: Water
e. Special fire fighting procedures: None
f. Unusual fire and explosion hazards: Do not allow to come in contact with organic materials such as sawdust, rags, etc. Spontaneous combusti may result if material dries on such organic materials.

## V. HEALTH HAZARD DATA

a. Physiological Properties:
1. Local effects to skin: Will burn.
2. Genetic Hazard
3. Acute oral toxicity ($LD_{50}$ if available): Will burn mucous membranes.
4. Dermal absorption ($LD_{50}$ if available):
5. Inhalation effects ($LC_{50}$ if available):
6. Threshold Limit Value (or estimate) 0.05mg/M3 based on chromic aci
7. Local effects to eyes: Will burn.

BOE-C6-0230890

V.

Product Name Alodine 1500

b. Emergency and First Aid Procedures:

Special Hazards

1. Ingestion: Drink milk of magnesia, aluminum hydroxide gel, or limewater followed by several glasses of water. Call a Doctor. Do not induce vomiting unless directed by a doctor.

2. Eye Contact: Flush immediately with copious amounts of water for at least 15 minutes. Call a Doctor.

3. Skin Contact: Wash with and water and rinse thoroughly. Anyone who appears to suffer skin burns from this product should be seen by a doctor.

4. Inhalation:

5. Other Health Data:

## VI. REACTIVITY DATA

a. Stability: Stable X Unstable ____ Conditions to avoid:

b. Incompatible Materials: Organic materials

c. Hazardous Decomposition Products:

d. Hazardous Polymerication: May occur ____ Will not occur X Conditions to avoid:

## VII. SPILL OR LEAK PROCEDURES

a. Steps to be taken for spill or leak: Transfer unspilled material to a clean polyethylene container. Treat spilled material with dilute solution of sodium metabisulfite to reduce chrome. Adjust pH to 7-8 with lime and

b. Waste disposal methods: flush to treatment plant with plenty of water and with approval of regulatory agency.

## VIII. SPECIAL PROTECTION INFORMATION

a. Respiratory protection (Specify type) requirements:

b. Ventilation requirements (local exhaust, general dilution, special): Local

c. Protective gloves required: Rubber

d. Eye protection required: Safety goggles

e. Other required equipment: Rubber aprons

## IX. SPECIAL PRECAUTIONS

a. Precautionary label required? If yes, please attach. Yes. Oxidizer. Amchem Warning Statement 46

b. Precautions to be taken in handling and storing: Store in a cool place away from organic materials.

c. Ot[illegible] [illegible]tions:

BOE-C6-0230891