

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY

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24 HOUR EMERGENCY NUMBER (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Product Code: 6815

Product Description: Ferrous Ammonium Sulfate

2. HAZARDOUS INGREDIENTS

| CAS#/Name | % | PEL | TLV |
|---|--------|----------------|----------------------|
| 7664-93-9 Sulfuric Acid | 0.9 | 1 mg/cubic m | 1 mg/cubic m |
| 7440-43-9 Cadmium Metal (a small chip) | a chip | 0.2 mg/cubic m | 0.05 mg/cubic m dust |

Warning! This product contains cadmium, a chemical known to the state of California to cause cancer and birth defects or other reproductive harm.

3. NON-HAZARDOUS INGREDIENTS

| Name | CAS # | % |
|--------------------------|-----------|-----|
| Ferrous Ammonium Sulfate | 7783-85-9 | 2.8 |
| Water to 100% | | |

4. PHYSICAL DATA

| | | | |
|-----------------------------|-------------------------|------------------------|----------------|
| Appearance: | Pale green Clear Liquid | Vapor Density: | Unknown |
| Solubility In Water: | Soluble | Vapor Pressure: | <17 @ 20 deg C |
| Odor: | None | Boiling Point: | >100 deg C |
| pH: | 1 | Melting Point: | Unknown |

5. FIRE & EXPLOSION DATA

| HMIS Hazard | | | Flammable Limit | |
|---|-----------------|---------------|-----------------|----------|
| Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least | | | LEL: N/A | UEL: N/A |
| Health: 1 | Flammability: 0 | Reactivity: 1 | | |

Extinguishing Media: Not a fire hazard

Flash Point (Method Used): N/A

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: N/A

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6. REACTIVITY DATA

Stable: True

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Alkalies

Hazardous Decomposition Products: SOx

7. HEALTH HAZARD DATA

Toxicity: orl rat LD50: orl rat LD50: 225 mg/kg for cadmium dust

Primary Route Of Entry: Skin

Carcinogenicity: NTP OSHA IARC

Other Health Related Comments: IARC- 11, 39, 76 for Cadmium, a suspect human carcinogen

Target Organs:

Signs and Symptoms of Exposure: May irritate eyes and skin.

8. EMERGENCY FIRST AID PROCEDURES

Eye Contact: Immediately flush with water for 15 minutes. Consult a physician.

Ingestion: Rinse mouth, drink plenty of water. Consult a physician.

Inhalation: Remove to fresh air.

Skin Contact: Immediately flush with water. Remove affected clothing and wash skin with soap and water.

9. SPILL AND DISPOSAL PROCEDURES

Spill and Leak: Remove cadmium metal. Containerize cadmium chip and hold for hazardous waste disposal. Cover contaminated spill surface with Sodium Bicarbonate. Scoop up neutralized slurry and flush down drain with excess water.

Disposal: Neutralize liquid and flush down drain with excess water. Save piece of cadmium metal and dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

In Handling: Gloves Eye Protection Other

Ventilation: Normal

Other: Lab Coat

Work/Hygienic Practices: Avoid contact with skin and clothing.

11. SPECIAL PRECAUTIONS

N/A

Date: 3/1/2004