MSDS
Ferric Subsulfate (Monsel's) Solution

Section 1: Identification
Product Name: Ferric Subsulfate (Monsel's) Solution
Product Catalog No: 400490, 400491 and 400500
Emergency Phone at Infotrac: (800) 535-5053
Date Prepared: 02/25/02

Section 2: Composition
Hazardous Component(s): CAS Number OSHA PEL, ACGIH TLV/STEL (PPM) NFPA
Ferric Subsulfate (~21% w/v Fe) 1310-45-8 1 mg/m³

Section 3: Physical Data
Boiling Point: ~212°F Specific Gravity (H₂O = 1): ~1.6
Vapor Pressure mm Hg/20°C: 17.5 Percent Volatile by Vol: NA
Vapor Density (Air 1:1) 0.6 Evaporation Rate (ether = 1): NA
Solubility in H₂O: Complete Appearance & Odor: Brownish/red viscous liquid odor

Section 4: Fire and Explosion Hazard
Flash Point: Non-Flammable Flammable Limits: LEL: NA UEL: NA
Extinguishing Media: Water spray, dry chemical, CO₂ and foam
Special Firefighting Procedures: Wear protective clothing with NIOSH approved breathing apparatus. Products of combustion may be harmful in a fire situation. Do not use direct water stream
Unusual Fire & Explosion Hazards: None known

Section 5: Reactivity
Stability: Stable Material to Avoid: Reducing agents, metals, most powdered metals and strong acids
Hazardous Decomposition or Byproducts: Oxides of carbon and nitrogen
Hazardous Polymerization: Does not occur Conditions to Avoid: Normal laboratory care

Section 6: Health Hazards
Routes of Entry: Inhalation, Skin and Ingestion Target Organs: Kidneys, liver and blood
Acute/Chronic: Product is not expected to cause health hazards when utilizing good laboratory practices.
Carcinogenicity: Not classified as a human carcinogen.
Signs/Symptoms of Exposure: Skin, eyes and respiratory irritation.

For Technical Service Call 800-638-2625
Section 6: Health Hazards cont’d

Emergency First Aid:

Skin: Remove contaminated clothing and wash affected area with soap and water.

Eyes: Thoroughly flush eyes with water. Contact a physician if irritation persists.

Ingestion: Rinse mouth thoroughly with water, do not induce vomiting and contact a physician.

Inhalation: Remove person to fresh air. If not breathing, give artificial respiration and contact a physician.

Section 7: Safe Handling

Chemical Release or Spill: Isolate the spill area with sand or other absorbent material. Neutralize the residue with dilute sodium carbonate. Place all contaminated material in closed container for proper disposal.

Waste Disposal Method: All liquid and/or contaminated material should be disposed of in DOT approved waste containers. Comply with all Federal, State and Local regulations for disposal.

Precautions for Handling and Storage: Normal laboratory care.

Section 8: Control Measures

Respiratory Protection: Not normally required.

Ventilation: Mechanical or general exhaust is sufficient.

Protective Gloves: Chemical resistant. Eye Protection: Safety glasses.

Other Protective Clothing or Equipment: Normal laboratory apparel suggested by Good Laboratory Practices.

Work/Hygienic Practices: Wash thoroughly with soap and water after handling.

The information listed here is believed to be correct and does not purport to be all-inclusive and shall be used only as a guide. HealthLink shall not be held liable for any damage resulting from handling or contact with this product.

HealthLink
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