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Note: The CHEMTREC phone number is only for emergencies involving spills, leaks, fire, exposure or accident. Please direct all other inquiries to our customer service phone number.

Section I - Product Identification

An aqueous solution of ferric subsulfate.

Section II - Hazards Identification

Overview: May be irritating to skin eyes and respiratory tract. Ingestion can cause liver damage.

Safety Ratings

Health: Hazardous *Flammability:* None *Reactivity:* None *Contact:* Slight

Recommended safety equipment: safety goggles, lab coat and proper gloves

Storage: General storage

NFPA Ratings

Health = 2 Flammability = 0 Reactivity = 1



Potential Health Effects

The toxicology of this compound have not been completely examined. It is presumed that the toxicity of this item is similar to other iron compounds.

Inhalation: May be irritating

Ingestion: While the toxicity of this compound is low, large doses may cause nausea, vomiting, diarrhea, etc.

Skin contact: Not normally a problem

Eye contact: May be irritating

Chronic Exposure: Unknown

Aggravation of preexisting conditions: Unknown

Section III - Composition/Information on Components

Ingredients	CAS#	OSHA Pel	ACGIH TLV	%
Ferric subsulfate solution	1310-45-8	1 mg/m3 TWA		40-70%

Section IV - First Aid Measures

Inhalation: Remove from source of exposure and get medical attention for any breathing difficulty.

Ingestion: If the victim is conscious, induce vomiting. Never give anything by mouth to an unconscious person.

Skin Contact: Wash affected area with soap and water. Get medical advice if irritation develops.

Eye Contact: Rinse thoroughly with running water. Get medical advice if irritation develops.

Section V - Fire Fighting Measures

Flash point: Not applicable

Flammable Limits: Not applicable

Fire: Not normally a fire Hazard,

Explosion: Not Normally an explosion hazards.

Fire Extinguishing Media: Any means suitable for surrounding fire.

Special information: Pyrolysis will release corrosive oxides and iron compounds.

Section VI - Accidental Release Measures

Absorb with a suitable absorbent (such as paper towels) and store in a suitable container for disposal.

Section VII - Handling and Storage

Store in a closed container, protected from freezing.

Section VIII - Exposure Control/Personal Protection

Airborne Exposure Limits: See section III.

Ventilation System: Usually not required. When required, Refer to the ACGIH document, "Industrial Ventilation, a Manual of Recommended Practices" for details about ventilation.

Personal Respirator: Usually not required. In case of emergency, or when exposure levels are unknown, use a positive pressure, full face piece, air supplied respirator.

Skin protection: Protective gloves are not required but recommended as part of good laboratory practice.

Eye Protection: Laboratory safety goggles or similar products are not required but recommended as part of good laboratory practice.

Section IX - Physical and Chemical Properties

Boiling Point: Decomposes

Vapor pressure (mm Hg): 18 @ 20°C

Vapor Density (air = 1): 0.6

Appearance and Odor: A red/brown liquid.

Density: About 1.54 g/ml

Evaporation Rate (water = 1): 1

Solubility: Infinitely miscible with water

Section X - Stability and Reactivity

Stability: Freezes at low temperature.

Hazardous Decomposition Products: Nothing unusual.

Hazardous polymerization: Will not occur.

Incompatibilities: Nothing unusual.

Conditions to avoid: Excessive cold/heat and light.

Section XI - Toxicological Information

None relating to normal exposure.

Cancer lists

<u>Ingredient</u>	<u>Known Carcinogenicity?</u>	<u>Anticipated?</u>	<u>IARC Category</u>
Ferric Subsulfate	No	No	None

Section XII - Ecological Information

Environmental Fate: Unknown

Environmental Toxicity: Unknown

Section XIII - Disposal

Usually not restricted but local governments may restrict the amounts of iron compounds that may be flushed down the drain. Insure compliance with all government regulation

Section XIV - Transportation information

Not regulated.

Section XV - Regulatory Information

Chemical Inventory Status

<u>Ingredient</u>	<u>TSCA</u>	<u>EC</u>
Ferric Subsulfate	Yes	Yes

Federal, State and International Regulations

<u>Ingredient</u>	<u>SARA 302</u>		<u>SARA 313</u>		<u>RCRA</u>	<u>TSCA</u>	
	<u>RQ</u>	<u>TPQ</u>	<u>List</u>	<u>Category</u>	<u>261.33</u>	<u>8(D)</u>	<u>Ca. Prop 65</u>
Ferric Subsulfate	No	No	No	No	No	No	No

Chemical Weapons Convention: No TSCA 12(b): No CDTA: No
SARA 311/312: Acute: Yes, Chronic: No, Fire: No

Section XVI - Other Information

This information is believed to be correct but is not warranted as such, nor does it purport to be all inclusive.

Revision Date: Apr. 21, 2014