



MSDS

P.O. Box 329 - 802 Washington Avenue Chestertown, MD 21620 - USA

MATERIAL SAFETY DATA SHEET

TELEPHONE # FOR INFORMATION 410 778-3100

24 HOUR EMERGENCY NUMBER (CHEM-TEL): USA, Canada, Puerto Rico 800-255-3924;

Outside North American Continent 813-248-0585 (call Collect)

1. Product Identification

Product Code: 4635

Product Description: Sulfide Test Solution #3

Manufactured By: LaMotte Company
802 Washington Avenue
Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	10025-77-1 Ferric Chloride Hexahydrate	50	None Established	1 mg/m ³ as Fe
No	7732-18-5 Water	to 100%	None Established	None Established

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion

Danger! Corrosive. Can cause severe irritation or burns to eyes, skin, and lungs. Harmful or fatal if swallowed.

HMIS Hazard

Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least

Health: 3 Flammability: 0 Reactivity: 2

Carcinogenicity: None:

Other Health Related Comments:

Ingesting doses larger than 30mg/kg of Ferric Chloride may cause nausea, vomiting, and diarrhea. Pink discoloration of urine is a strong indicator of iron poisoning. Liver damage, coma, and death may follow.

4. First Aid Measures

- Eye Contact:** Immediately flush with water for at least 15 minutes while occasionally lifting upper and lower eyelids. Seek immediate medical attention.
- Skin Contact:** Immediately flush skin with water for at least 15 minutes while removing affected clothing/shoes. Seek immediate medical attention.
- Ingestion:** DO NOT induce vomiting. Rinse out mouth. Give large quantities of water. Seek immediate medical attention.
- Inhalation:** Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration and seek immediate medical attention.
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5. Fire Fighting Measures

- Flash Point (Method Used):** N/A **LEL:** N/A **UEL:** N/A
- Extinguishing Media:** Not a fire hazard
- Special Fire Fighting Procedures:** N/A
- Unusual Fire & Explosion Hazard:** Emits toxic fumes under fire conditions.
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6. Accidental Release Measures

Wear PPE noted in section 8. Neutralize spill w/sodium bicarbonate. Containerize material & hold for proper disposal in accordance to federal, state, & local regulations. If permitted, dilute neutralized material & flush to drain with excess water.

7. Handling & Storage

Store tightly closed container in cool, dry, ventilated area away from incompatible materials (strong bases, metals, sulfides, and cyanides). Keep out of reach of children.

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8. Exposure Controls/Personal Protection

Ventilation

Normal

Protection When Handling

Eye Protection Gloves Lab Coat

Work/Hygenic Practices: Avoid contact with eyes, skin, and clothing. Wash after handling.

9. Physical & Chemical Properties

Appearance: Dark amber liquid

Solubility In Water: Soluble

Odor: slight HCl odor

pH: <1

Vapor Density: Unknown

Vapor Pressure: <15 mm Hg @ 20° C

Boiling Point: Unknown

Melting Point: Unknown

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Alkalies, oxidizers, metals

Hazardous Decomposition Products: Irritating Hydrogen Chloride fumes may form in fire.

11. Toxicological Information

Oral rat LD50: 316 mg/kg for Ferric chloride (anhydrous); investigated as a mutagen, reproductive effector.

Target Organs: Corrosive to all body parts Liver Skin

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12. Ecological Information

Information Not Yet Available.

13. Disposal Considerations

Dispose according to federal, state and local regulations. If permitted, dilute and neutralize w/sodium bicarbonate. Flush to drain with copious amounts of water.

14. Transportation Information

Proper Shipping Name:**DOT:** FERRIC CHLORIDE SOLUTION**IATA:** FERRIC CHLORIDE SOLUTION**Hazard Class/Div:****DOT:** 8**IATA:** 8**UN:** 2582**Packing Group:** III

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA TSCA	Europe EC	--- Canada ---		Australia	Japan
				DSL	NDSL		
Yes	7705-08-0 Ferric Chloride anhydrous	Yes	Yes	Yes	No	Yes	Yes
No	7732-18-5 Distilled Water	Yes	Yes	Yes	No	Yes	Yes

Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA 261.33	TSCA 8(D)
	RQ	TPQ	Listed	Chemical Category			
7705-08-0 Ferric Chloride anhydrous	No	No	No	No	1000	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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--- SARA 311/312 ---

Hazard Categories

----- Australia -----

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient

Acute

Chronic

Fire

Pressure

Reactivity

7705-08-0

Yes

No

No

No

No

2R

None Allocated

Ferric Chloride anhydrous

7732-18-5

No

No

No

No

No

None Allocated

None Allocated

Distilled Water

**product 4635
as a whole**

Yes

No

No

No

No

2R

None Allocated

Yes

16. Other Information

Keep out of reach of children.

Prepared By: Regulatory Affairs Department

Revised: 4/8/2009
