



PO Box 329 • 802 Washington Avenue • Chestertown, MD 21620 • USA
Telephone Number 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)

MSDS

Material Safety Data Sheet

1. Product Identification

Product Code: 4450
Product Description: Iron Reagent 1 solution

Manufactured By:

LaMotte Company
802 Washington Avenue
Chestertown, MD 21620

2. Composition/Information on Ingredients

Hazardous	Name	CAS #	%	OSHA PEL	ACGIH TLV
Yes	Sulfuric Acid	7664-93-9	4.8	1 mg/cubic m	1 mg/cubic m
No	Water	7732-18-8	To 100%		

3. Hazards Overview

Primary Route of Entry: Ingestion, Skin

Warning! Corrosive. Can cause burns to eyes and skin. Harmful if swallowed.

Carcinogenicity: None

HMIS Hazard: (Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least)

Health: 2 Flammability: 0 Reactivity: 1

Other Health Related Comments:

4. First Aid Measures

Eye Contact: Flush thoroughly with water for 15 minutes. Consult a physician.

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

Ingestion: Do not induce vomiting. Rinse out mouth. Drink plenty of water. Consult physician.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point: N/A **LEL:** N/A **UEL:** N/A

Fire Rating

Extinguishing Media: Not a fire hazard

Special Fire Fighting Procedures: N/A

Hazardous Combustion and/or Decomposition Products: SO_x

Unusual Fire & Explosion Hazard: Can react with metals to form hydrogen gas.

6. Accidental Release Measures

Cover spill with sodium bicarbonate. Scoop up slurry and wash down drain with excess water.

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7. Handling & Storage

Store in cool, dry, storage area away from incompatible materials.

8. Exposure Controls/Personal Protection

Ventilation

Use with adequate ventilation.

Protection When Handling

Gloves Eye Protection Lab Coat

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

9. Physical & Chemical Properties

Appearance: Colorless Clear Liquid

Boiling Point: > 100 deg C

Melting Point: N/A

pH: <1

Odor: None

Vapor Density: <1(Air=1)

Solubility in Water: Soluble

Vapor Pressure: <17 @ 20 deg C

10. Stability & Reactivity

Stable: Yes

Conditions to Avoid: N/A

Materials to Avoid: Strong bases, metals, cyanides and sulfides.

Hazardous Decomposition Products: SO_x

11. Toxicological Information

oral rat LD50: 2140 mg/kg for sulfuric acid, concentrated

Target Organs: Corrosive to all body parts

12. Ecological Information

Information not available

13. Disposal Considerations

Add slowly to a solution of soda ash (sodium carbonate) and calcium hydroxide. Pour this neutralized solution down drain with excess water. Dispose according to federal, state and local regulations.

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14. Transport Information

Proper Shipping Name:

DOT: SULFURIC ACID (<51% ACID)

IATA: SULPHURIC ACID (<51% ACID)

Hazard Class/Div: 8

UN 2796

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Ingredient	USA TSCA	Europe EC	---Canada--- DSL NDSL		Australia	Japan
Sulfuric Acid (7664-93-9)	YES	YES	YES	NO	YES	YES
Water (7732-18-8)	YES	YES	YES	NO	YES	YES

Federal, State, & International Regulations

Ingredient	---SARA 302--- RQ TPQ		----- SARA 313 ----- Listed Chemical Category		CERCLA	RCRA 261.33	TSCA 8(D)
Sulfuric Acid (7664-93-9)	1000	1000	YES	NO	1000	NO	NO
Water (7732-18-8)	NO	NO	NO	NO	NO	NO	NO

Ingredient	----- SARA 311/312 ----- Hazard Categories			----- Australia ----- Hazchem Code Poison Schedule		This MSDS is WHMIS Compliant
Sulfuric Acid (7664-93-9)	Acute:Yes	Chronic:Yes	Fire: No	2P	None Allocated	
	Pressure: No	Reactivity: Yes	(Pure/Liquid)			
For product #4450 liquid, taken as a whole	Acute:Yes	Chronic:No	Fire: No			Yes
	Pressure: No	Reactivity: Yes				

16. Other Information

Prepared By: IP

Revised: 10/14/2005