



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: 4538

Product Description: Copper Reagent #1

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

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
	7664-41-7 Ammonia	16		
	12125-02-9 Ammonium Chloride	6.75		

3. Hazards Overview

Primary Route Of Entry: Inhalation Skin

Vapors and liquid corrosive to eyes, nose and skin. May be fatal if ingested.

HMIS Hazard

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

Health: **Flammability:** **Reactivity:**

Carcinogenicity: None

Other Health Related Comments:

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4. First Aid Measures

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

Skin Contact: Immediately flush with water, remove affected clothing and flush skin thoroughly.

Ingestion: Do not induce vomiting, rinse mouth, drink glass of water, consult a physician immediately.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used):

LEL:

UEL:

Extinguishing Media: Not a fire hazard

Special Fire Fighting Procedures:

Unusual Fire & Explosion Hazard:

6. Accidental Release Measures

Carefully neutralize with dilute hydrochloric acid. Mop up and flush down drain with excess water.

7. Handling & Storage

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

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8. Exposure Controls/Personal Protection

Ventilation

Mechanical

Protection When Handling

Gloves Eye Protection Lab Coat

Work/Hygenic Practices: Use with adequate ventilation. Avoid contact with skin and clothing.

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: Pungent

pH: 13

Vapor Density: 1.2

Vapor Pressure: Unknown

Boiling Point: Unknown

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat

Incompatibility (Materials To Avoid): Strong acids

Hazardous Decomposition Products: Ammonia Gas

11. Toxicological Information

ihl-hmn TC Lo: 20 ppm for ammonia

Target Organs: Lungs

Pre-Existing Conditions Aggravated By Exposure: Respiratory conditions.

12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Carefully neutralize with 6M Hydrochloric Acid. Then flush down drain with excess water.

14. Transportation Information

Not Regulated For Transport

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		

Federal, State, & International Regulations

Ingredient	--- SARA 302 ---		----- SARA 313 -----		CERCLA	RCRA	TSCA
	RQ	TPQ	Listed	Chemical Category		261.33	8(D)

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Ingredient	--- SARA 311/312 --- Hazard Categories				----- Australia -----		This MSDS Is WHMIS Compliant
	Acute	Chronic	Fire	Pressure	Reactivity	Hazchem Code	

product 4538
as a whole

16. Other Information

Store away from acids.

Prepared By: Regulatory Affairs Department

Revised: 7/11/2009
