



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: 7366

Product Description: Copper Reagent C

Manufactured By: LaMotte Company

802 Washington Avenue

Chestertown, MD 21620

2. Composition/Information On Ingredients

Hazard	CAS#/Name	%	PEL	TLV
Yes	64-17-5 Ethyl Alcohol	57	1900 mg/cubic m	1000 ppm
Yes	67-56-1 Methyl Alcohol	3	260 mg/cubic m	200 ppm
Yes	77-09-8 Phenolphthalein	0.01	N/E	N/E
No	7732-18-5 Water	to 100%		

3. Hazards Overview

Primary Route Of Entry: Skin Ingestion Inhalation

Poison! Danger! Flammable liquid & vapor! Harmful if swallowed, inhaled, or absorbed through skin. Ingestion may be fatal or cause blindness. Inhalation can cause headache, nausea. Affects central nervous system. May cause irritation to eyes and skin.

HMIS Hazard

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

Health: 2 Flammability: 2 Reactivity: 0

Carcinogenicity: Yes: NTP

Other Health Related Comments:

Warning! This product contains phenolphthalein, a chemical known to the state of California to cause cancer.

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4. First Aid Measures

Eye Contact: Flush thoroughly with water for 15 minutes.

Skin Contact: Flush with water. Wash skin with soap and water.

Ingestion: Call a physician immediately.

Inhalation: Remove to fresh air.

5. Fire Fighting Measures

Flash Point (Method Used): 22 deg C-closed cup **LEL:** 3.3% **UEL:** 19%

Extinguishing Media: Dry chemical, CO₂, or water spray

Special Fire Fighting Procedures: N/A

Unusual Fire & Explosion Hazard: Vapor may travel distance to ignition source and flash back.

6. Accidental Release Measures

Eliminate all sources of ignition. Ventilate area. Absorb on paper. Evaporate on iron pan in fume hood.

7. Handling & Storage

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

8. Exposure Controls/Personal Protection

Ventilation

Mechanical

Protection When Handling

Gloves Eye Protection Lab Coat

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

9. Physical & Chemical Properties

Appearance: Clear Colorless Liquid

Solubility In Water: Soluble

Odor: Alcohol

pH: N/A

Vapor Density: 1.6 (Air=1)

Vapor Pressure: <40 mm Hg @ 20 deg C

Boiling Point: Unknown

Melting Point: N/A

10. Stability & Reactivity

Stable: Yes

Conditions To Avoid: Heat, sources of ignition

Incompatibility (Materials To Avoid): Contact with nitric acid or other strong oxidizers

Hazardous Decomposition Products: COx

11. Toxicological Information

Oral human LDLo: 1400 mg/kg, ethanol; 143 mg/kg, methanol. Phenolphthalein investigated as a tumorigen and mutigen.

Target Organs: N/A Skin

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12. Ecological Information

Information Not Yet Available

13. Disposal Considerations

Small quantity: Flush down drain with excess water. Large quantity: Atomize into an incinerator. Dispose according to federal, state and local regulations.

14. Transportation Information

Proper Shipping Name:

DOT: ETHANOL

IATA: ETHANOL

Hazard Class/Div:

DOT: 3

IATA: 3

UN: 1170

Packing Group: II

15. Regulatory Information

Chemical Inventory Status

Hazard	Ingredient	USA	Europe	--- Canada ---		Australia	Japan
		TSCA	EC	DSL	NDSL		
Yes	64-17-5 Ethanol	Yes	Yes	Yes	No	Yes	Yes
Yes	67-56-1 Methyl Alcohol	Yes	Yes	Yes	No	Yes	Yes
Yes	77-09-8 Phenolphthalein	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			
64-17-5 Ethanol	No	No	No	No	No	No	No
67-56-1 Methyl Alcohol	No	No	Yes	No	5000	U154	No
77-09-8 Phenolphthalein	No	No	No	No	No	No	No
7732-18-5 Distilled Water	No	No	No	No	No	No	No

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Product Description: Copper Reagent C

--- SARA 311/312 ---

----- Australia -----

Hazard Categories

**Hazchem
Code**

**Poison
Schedule**

**This MSDS Is
WHMIS Compliant**

Ingredient

Acute

Chronic

Fire

Pressure

Reactivity

64-17-5
Ethanol

Yes

Yes

Yes No

No

None Allocated

None Allocated

67-56-1
Methyl Alcohol

Yes

Yes

Yes No

No

2PE

S6

77-09-8
Phenolphthalein

Yes

Yes

No No

No

None Allocated

None Allocated

7732-18-5
Distilled Water

No

No

No No

No

None Allocated

None Allocated

**product 7366
as a whole**

Yes

Yes

Yes No

No

2[S]E

S5

Yes

16. Other Information

Do not use near heat or flame.

Prepared By: IP, Regulatory Affairs Department

Revised: 12/5/2005
