

MATERIAL SAFETY DATA SHEET

LaMOTTE COMPANY
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24 Hour Emergency Number (CHEM-TEL) 800-255-3924

1. PRODUCT IDENTIFICATION

Copper Reagent A

Code Nr. **7364**

2. HAZARDOUS INGREDIENTS

NAME	CAS #	TSCA #	%	PEL	TLV
Sodium Hydroxide	1310-73-2		10 - 11	2 mg/cubic m	C 2 mg/cubic m
Λ Zinc powder	7440-66-6		<1%	N/E	N/E
Phenolphthalein	77-09-8		1	N/E	N/E

3. NON-HAZARDOUS INGREDIENTS EXCEPT WATER (7732-18-5)

NAME	CAS #	%
Water to 100%		

4. PHYSICAL DATA

<i>Appearance:</i> Clear Colorless Liquid			
<i>Solubility in Water:</i> Soluble	<i>Odor:</i> None	<i>Boiling Point:</i> Unknown	<i>Melt. Point:</i> N/A
<i>Vapor Pressure:</i> <17 @ 20 deg C	<i>Vapor Density:</i> Unknown	<i>pH:</i> 14	

5. FIRE AND EXPLOSION DATA

<i>Flash Point (method used)</i> N/A	<i>Flammable Limit: LEL:</i> N/A	<i>UEL:</i> N/A
<i>Extinguishing Media:</i> Not a fire hazard		
<i>HMIS Hazard: Health - 2 Flammability - 0 Reactivity - 1 Scale: 4 = Extreme, 3 = High, 2 = Moderate, 1 = Slight, 0 = Least</i>		
<i>Special Fire Fighting Procedures:</i> N/A		
<i>Unusual Fire & Explosion Hazard:</i> Can react with metals to produce flammable hydrogen gas.		

6. REACTIVITY DATA

<i>Stability:</i>	<i>Conditions to avoid:</i> Heat
<input checked="" type="checkbox"/> <i>Stable</i>	<i>Incompatibility (Materials to avoid):</i> Acids, metals
<input type="checkbox"/> <i>Unstable</i>	<i>Hazardous Decomposition Products:</i> N/A

7. HEALTH HAZARD DATA

<i>Toxicity:</i> Unknown	
<i>Primary Route of Entry:</i>	<input type="checkbox"/> <i>Inhalation</i> <input checked="" type="checkbox"/> <i>Skin</i> <i>Carcinogenicity:</i> <input type="checkbox"/> <i>None</i> <input checked="" type="checkbox"/> <i>NTP</i> <input checked="" type="checkbox"/> <i>Ingestion</i> <input type="checkbox"/> <i>N/A</i> <input type="checkbox"/> <i>OSHA</i> <input type="checkbox"/> <i>IARC</i>
<i>Other Health Related Comments:</i> CA Prop.65 Warning: This product contains phenolphthalein, a chemical known to the state of Calif. to cause cancer.	
<i>Target Organs:</i> Corrosive to all body parts,	
<i>Signs and symptoms of exposure:</i> Severe burns, may be fatal if swallowed	
<i>Medical Condition Aggravated by Exposure:</i> N/A	

8. EMERGENCY FIRST AID PROCEDURES

<i>Eye Contact:</i> Immediately flush with water for 15 minutes. Consult a physician.
<i>Ingestion:</i> Do not induce vomiting. Rinse mouth, drink plenty of water and call a doctor immediately.
<i>Inhalation:</i> N/A
<i>Skin Contact:</i> Immediately flush skin with water for 15 minutes while removing affected clothing. Consult a physician.

9. SPILL AND DISPOSAL PROCEDURES

<i>Spill and Leak:</i> Wear gloves & eye protection. Carefully neutralize w/ dilute acid (6 M-HCl). Flush down drain with excess water.
<i>Disposal:</i> Pour into water. Carefully neutralize with 6M-HCl. Flush down drain with excess water. Dispose according to federal, state and local regulations.

10. PRECAUTIONARY MEASURES

<i>In Handling:</i> <input checked="" type="checkbox"/> <i>Gloves</i> <input checked="" type="checkbox"/> <i>Eye Protection</i> <input type="checkbox"/> <i>N/A</i> <input checked="" type="checkbox"/> <i>Other:</i> Lab Coat
<i>Ventilation</i> <input checked="" type="checkbox"/> <i>Normal</i> <input type="checkbox"/> <i>Mechanical</i> <input type="checkbox"/> <i>Respiratory Protection</i>
<i>Work/Hygienic Practices:</i> Avoid contact with eyes, skin, and clothing.

11. SPECIAL PRECAUTIONS

N/A

DATE: 7/20/04

The above information is believed to be correct but does not claim to be all inclusive and should be used only as a guide.

Λ This is a toxic chemical subject to reporting requirements of section 313 of EPCRA and 40CFR372.