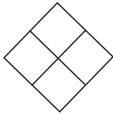




# MATERIAL SAFETY DATA SHEET

MSDS No: NN0081  
Effective Date: Dec 22, 2013

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	MediCOPPER	 <p>CHEMTREC 800-424-9300 Day 585-226-6177</p> <p>Health 0 Fire 0 Reactivity 0</p> <p>HMIS*</p> <p>NFPA HAZARD RATING</p> <table border="1"> <tr> <td>MINIMAL</td> <td>SLIGHT</td> <td>MODERATE</td> <td>SERIOUS</td> <td>SEVERE</td> </tr> <tr> <td>0</td> <td>1</td> <td>2</td> <td>3</td> <td>4</td> </tr> </table>	MINIMAL	SLIGHT	MODERATE	SERIOUS	SEVERE	0	1	2	3	4
MINIMAL	SLIGHT		MODERATE	SERIOUS	SEVERE							
0	1		2	3	4							
<b>Chemical Synonyms</b>	10 ppm Colloidal Copper											
<b>Formula</b>	Cu											
<b>Unit Size</b>	Up to 10 milligrams / liter											
<b>C.A.S. No.</b>	7440-50-8											

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	Mg/L	TLV Units
Copper	10	See Section V.
Water		

**WARNING! DO NOT TAKE IF ALLERGIC TO COPPER**

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Already Liquid	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1
<b>Boiling Point (°F)</b>	212	<b>Percent Volatile by Volume (%)</b>	Not Volatile
<b>Vapor Pressure (mm Hg)</b>	17.5 @ 20 °C	<b>Evaporation Rate (Butyl acetate = 1)</b>	N/A
<b>Vapor Density (Air = 1)</b>	N/A		
<b>Solubility in Water, pH</b>	Soluble, pH = 7 to 8 range		
<b>Appearance &amp; Odor</b>	Clear Tan Color, Odorless		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-combustible	<b>Flammable Limits in Air % by Volume</b>	N/A
<b>Extinguisher Media</b>	Any	<b>LEL: N/A</b>	<b>UEL: N/A</b>

**SPECIAL FIREFIGHTING PROCEDURES**

NONE

**UNUSUAL FIRE AND EXPLOSION HAZARDS**

**FIRE:** Not a fire hazard.  
**EXPLOSION:** Not an explosion hazard.

**D.O.T.** NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20

## SECTION V HEALTH HAZARD DATA

**Threshold Limit Value**  
N/A ... this is a liquid

**Effects of Overexposure**  
Low toxicity, but acute or chronic overexposure could result in metal poisoning

**Emergency and First Aid Procedures**  
**INGESTION:** If above the recommended dose, call a physician or Poison Control Center immediately. Induce vomiting only if advised by appropriate medical personnel. Never give anything by mouth to an unconscious person. **EYES:** Check for and remove contact lenses. Flush thoroughly with water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention if irritation persists. **SKIN:** None needed. **INHALATION:** Treat as if water was inhaled.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	Unstable	<b>Conditions to Avoid</b>	None
	Stable	X	
<b>Incompatibility (Materials to Avoid)</b>	None; Copper is unreactive		
<b>Hazardous Decomposition Products</b>	No Hazardous Decomposition		

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>
<b>May Occur</b>	<b>Will Not Occur</b>
	X
	None Known

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled**  
Spillage should be absorbed or mopped up and retained for the recovery of 99.99+% pure gold. Wash spill are with soap and water.

**Waste Disposal Method**  
Send to refiners for recovery of gold. Dispose of in an approved chemical landfill or contract with a licensed waste disposal agency.

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection</b>	None required		
<b>Ventilation</b>	<b>Local Exhaust</b>	N/A	<b>Special</b>
	<b>Mechanical</b>	N/A	<b>Other</b>
<b>Protective Gloves</b>	None required		<b>Eye Protection</b>
<b>Other Protective Equipment</b>	None required		

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**  
Keep container tightly closed when not in use. Store in a cool, dry, sanitary place. Do not allow to freeze as freezing, though harmless, will destroy colloidal suspension.

**Other Precautions**  
Read label on container before using. Don not wear contact lenses when working with chemicals. Keep out of reach from children. Do not take more than recommended on label. Stop consuming immediately if any adverse side effects or reactions are suspected.

Revision No. 1 Date: 12/22/2013 Approved: Michael D. Miller Chemical Safety Coordinator MDM

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards.