

000884



EM SCIENCE

111 Woodcrest Road, P.O. Box 5018, Cherry Hill, N.J. 08034-0395, Phone (609) 354-9200

MATERIAL SAFETY DATA SHEET

(Approved by U.S. Department of Labor "Essentially Similar to Form OSHA-20")

SECTION 1		NAME & PRODUCT	
Chemical Name: Copper		CX1930 Catalog Number: CX1940 CX1920 CX1922 CX1925 CX1935 CX1939 CX1941	
Trade Name & Synonyms: CA #7440-50-8		Chemical Family: Metal	
Formula: Cu		Formula Weight: 63.54	
SECTION 2		PHYSICAL DATA	
Boiling Point, 760 mm Hg (°C)	2595°	Specific Gravity (H ₂ O = 1)	8.94
Melting Point (°C)	1083°	Solubility in H ₂ O, % by wt. at 20°C	Insoluble
Vapor Pressure at 20°C	_____	Appearance and Odor	Reddish lustrous metal
Vapor Density (air = 1)	_____	Evaporation Rate (Butyl Acetate = 1)	_____
Percent Volatiles by Volume	_____		
SECTION 3		FIRE AND EXPLOSION HAZARD DATA	
Flash Point (test method)	Not combustible	Flammable Limits	Lel _____ Uel _____
Extinguishing Media	_____		
Special Hazards and Procedures	_____		
Unusual Fire and Explosion Hazards	_____		
SECTION 4		REACTIVITY DATA	
Stable <input checked="" type="checkbox"/>	Conditions to Avoid		
Unstable			
Materials to Avoid	<input type="checkbox"/> Water <input type="checkbox"/> Acids <input type="checkbox"/> Bases <input type="checkbox"/> Corrosives <input type="checkbox"/> Oxidizers <input checked="" type="checkbox"/> Other (specify) Acetylene, magnesium metal (as copper dust)		
Hazardous Decomposition Products	_____		
SECTION 5		SPILL OR LEAK PROCEDURES AND DISPOSAL	
Steps to be Taken in Case Material is Released or Spilled	Sweep up solid		
Waste Disposal Method	To be performed in compliance with all current local, state and federal regulations.		

We believe the data contained herein is factual, however, it is offered solely for your consideration, investigation, and verification. Do not take as a warranty.

SECTION 6**HEALTH HAZARD DATA**

Threshold Limit Value $1\text{mg}/\text{m}^3$ (as dust)

Effects of Overexposure (as dust)

Can irritate eyes, mucous membranes, and pharynx. Can cause nausea, ulcer perforation, metal taste and dermatitis.

First Aid Procedures (as dust)

Eyes: flush with water, get medical assistance.
Inhalation: remove to fresh air, get medical assistance.
Ingestion: get medical attention.

SECTION 7**SPECIAL PROTECTION INFORMATION**

Ventilation, Respiratory Protection, Protective Clothing, Eye Protection

Provide adequate ventilation when dust of fine copper particles are present. Protect eyes and skin with safety goggles and gloves.

SECTION 8**SPECIAL HANDLING AND STORING PRECAUTIONS**

DOT-Not regulated

SECTION 9**HAZARDOUS INGREDIENTS**

(refer to section 3 through 8)

SECTION 10**OTHER INFORMATION**

EMERGENCY PHONE NUMBER (513) 631-0445

AUTHORIZED SIGNATURE

Bruce Lane

DATE ISSUED:

12-91

DATE REVISED: