

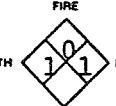


# MATERIAL SAFETY DATA SHEET

DATE PREPARED 12/85

CP CHEMICALS, Inc.

Required under  
29 CFR 1910, 1200

N F P A	EMERGENCY HAZARD RATING	
	4 - EXTREME	
	3 - HIGH	
	2 - MODERATE	
	1 - SLIGHT	
0 - INSIGNIFICANT		
	HEALTH	REACTIVITY
SPECIFIC HAZARD		

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SECTION I - PRODUCTION INFORMATION: SINGLE SUBSTANCE  MIXTURE 

Chemical Name &amp; CAS No. CUPROUS CHLORIDE POWDER CAS # [ 7758-89-6 ]

Trade Name &amp; Synonyms Cu-Lyst, Nankotite

Chemical Family Insoluble Copper Salt Chemical Formula CuCl

## SECTION II - HAZARDOUS INGREDIENTS AND/OR CHARACTERISTICS

NA

## SECTION III - PHYSICAL DATA

Melting Point (°F)	430°C	Specific Gravity (H <sub>2</sub> O=1)	3.53
Boiling Point (°F)	1366°C	Percent Volatile by Volume (%)	0
Bulk Density (LBS/Per Cu/Ft.)	85	pH	NA

Solubility in Water Insoluble

Appearance and Odor Gray powder with no odor. Turns green on exposure to moist air.

## SECTION IV - REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable X	

Incompatibility (Materials to Avoid) Heat, acids, acid fumes

Hazardous Decomposition Products When heated to decomposition it emits toxic fumes of Cl<sup>-</sup>.

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur X	

## SECTION V - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	NA	Flammable Limits	NA	LeL	UeL
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Extinguishing Media The usual for surrounding fire.

Special Fire Fighting Procedures NA

Unusual Fire and Explosion Hazards

NA

DOT EMERGENCY RESPONSE GUIDE NO. NDA

**SECTION VI - HEALTH HAZARD DATA**

Exposure Limits TLV: NDA TWA: NDA Ceiling: NDA  
 Effects of Overexposure Acute: Skin discoloring and irritation  
 Chronic: NDA  
 Emergency First Aid Procedures

Eye Flush with flowing water (under lids) for 15 minutes. If symptoms occur, see physician.

Skin Wash with soap and water and see physician if irritation occurs.

Inhalation Remove to fresh air. Aid in breathing if necessary and call physician.

Ingestion Drink a quantity of water and induce vomiting. Call physician.

OTHER HEALTH INFORMATION:  
 LISTED:  Carcinogen  Teratogen  Mutagen  Other NDA

**SECTION VII - SPECIAL PROTECTION INFORMATION — PRODUCTION AND/OR MAINTENANCE OPERATIONS**

Respiratory Protection (Specify Type) Respirator approved by Bureau of Mines for toxic dusts.

Ventilation	Local Exhaust Recommended	Special
	Mechanical (General)	Other

Protective Gloves Rubber Eye Protection Chemical goggles and face shield

Other Protective Equipment Rubber or plastic clothing; avoid skin contact.

**SECTION VIII - SPILL OR LEAK PROCEDURES**

Steps to be Taken in Case Material is Released or Spilled Avoid acid contact and heat. Sweep or vacuum into disposable container. Avoid contact and do not breath dust.

Waste Disposal Method  
 Send to approved chemical disposal site according to local, state and federal regulations.

**SECTION IX - SPECIAL PRECAUTIONS**

Precautions to be taken in Handling and Storing Do not store close to acids and heat. Keep containers tightly closed in a clean area.

Other Precautions

**SECTION X - TRANSPORTATION DATA:**

Proper Shipping Name CUPROUS CHLORIDE	RQ NA	Hazard Class NA	ID # (49CFR 172-101) NA
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Label Requirement NONE (not regulated by DOT)

Special Information

NA = NOT APPLICABLE      NDA = NO DATA AVAILABLE      < = LESS THAN      > = MORE THAN

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