

# OSHA-Required Health And Safety Information!

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

**Section 1**

**MATERIAL SAFETY DATA SHEET # 37**  
**Flip Stick®**



**MATERIAL SAFETY INFORMATION SERVICE**

Hercules Chemical Company Inc.  
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 Passaic NJ 07055  
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 Fax (800) 333-3456

Date Prepared: 1/31/1990 Last Reviewed: 12/4/2002

Meets OSHA 29 CFR 1910.1200

**Section 2 - Hazardous Ingredients/Identity Information**

Hazardous Components (Specific Chemical Identity; Common Name(s), CAS Numbers)	OSHA PEL	ACGIH TLV	Other Limits	Upper Bound Limit if SARA Reportable
Cupric Chloride (7447-39-4)	N/A	1mg/M <sup>3</sup> (dust)	1mg/M <sup>3</sup>	10%

**HMIS Hazard Rating:** Health: 2 Flammability: 0 Reactivity: 0 Personal Protection: E

**Section 3 - Physical/Chemical Characteristics**

Boiling Point (°F):	Specific Gravity (H <sub>2</sub> O = 1):	Vapor Density (Air = 1):	Vapor Pressur (mm Hg):
N/A	0.95 to 1.0	N/A	N/A
Melting Point (° F)	Evaporation Rate: (Butyl Acetate = 1)	Solubility in Water:	
N/A		Partially	
Appearance And Color:	Bluish green crystalline powder	Odor:	No odor

**Section 4 - Fire And Explosion Hazard Data**

Flash Point:	Flammable Limits	LEL:	UEL:
N/A	N/A		

**Extinguishing Media:** Water, fog, dry chemical, carbon dioxide.

**Special Firefighting Procedures:**

This product has combustible materials and supplies its own oxygen for sustaining the combustion.

**Unusual Fire And Explosion Hazards:**

None

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**Section 5 - Reactivity Data**

Stability: Stable                      Conditions To Avoid: None

Incompatibility                      N/A  
(Materials To Avoid):

Hazardous Decomposition: None

Hazardous Polymerization: Will Not Occur

**Section 6 - Health Hazard Data**

Routes of Entry    Inhalation YES/Primary                      Skin YES/Primary                      Ingestion YES/Secondary

**Health Hazards**

Inhalation of heavy dust may irritate nose and throat. Ingestion can cause injury to mouth.

Carcinogenicity    NTP NO                      IARC NO                      OSHA Regulated NO

**Signs And Symptoms of Exposure:**

Irritation of nose and throat. Irritation of eyes and possible conjunctivitis.

**Medical Conditions Generally Aggravated By Exposure:**

None

**Emergency And First Aid Procedures:**

EYES: Immediately flush with large amounts of water for at least 15 minutes. If irritation persists, obtain medical attention. SKIN: Wash with soap and water. If irritation persist, obtain medical attention. INHALATION: Remove from exposure. If breathing is difficult or discomfort persists, obtain medical attention. INGESTION: Rinse mouth with water. Give water to dissolve particles. Obtain medical attention.

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**Section 7 - Precautions For Safe Handling And Use:**

**Steps To Be Taken In Case Material Is Released Or Spilled:**

Sweep up the spilled material making sure no dust is created. Avoid flushing to sewer or stream.

**Waste Disposal Method:**

Non-hazardous landfill

**Precautions To Be Taken In Handling And Storing:**

Store in cool dry place.

**Other Precautions:**

None

**Section 8 - Control Measures:**

**Respiratory Protection:**

Use NIOSH/MSHA approved respiratory protection if airborne dust is expected

**Ventilation:** Local Exhaust Adequate

**Special** N/A

Mechanical N/A

**Other:** N/A

**Gloves:** None normally required.

**Eye Protection:** Safety glasses if possibility of eye contact with material exists.

**Other Protective Clothing:** None normally required

**Work/Hygienic Practice:** Use good personal hygiene practices. Wash thoroughly after handling.



For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.