



COLUMBUS CHEMICAL INDUSTRIES INC.

P.O. BOX 8
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Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910 1200. Standard must be consulted for specific requirements

U.S. Department of Labor

Occupational Safety and Health Administration
 (Non-Mandatory Form)
 Form Approved
 OMB No. 1218-0072

IDENTITY (as Used on Label and List)

Cupferron

Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacturers /Distributor Address Number Street City State and Zip Code

Columbus Chemical Industries

P.O. Box 8, N4335 Temkin Rd.

Columbus, WI 53925-0008

Emergency Telephone Number

CHEMTREC 1-800-424-9300

Telephone Number for Information

920-623-2140

Date Prepared

1-16-2006

Signature of Preparer (optional)

Section II - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity, Common Name(s))	CAS #	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Cupferron*	135-20-6	Not Established	Not Established	Not Established	

*SYNONYM: N-hydroxy-N-Nitrosobenzenamine ammonium salt

Section III - Physical/Chemical Characteristics

Boiling Point	Not available	Specific Gravity (H ₂ O = 1)	Not available
Vapor Pressure (mm Hg)	Not available	Melting Point	164 °C(326°F)
Vapor Density (AIR = 1)	Not available	Evaporation Rate (Butyl Acetate = 1)	Not available

Solubility in Water

Soluble

Appearance and Odor

White crystals

Section IV Fire and Explosion Hazard Data

Flash Point (Method Used)	Flammable Limits	LEL	UEL
Not flammable	Not applicable	Not applicable	Not applicable

Extinguishing Media

Suitable to extinguish the supporting flame. Water spray, dry chemical, carbon dioxide, alcohol foam.

Special Fire Fighting Procedures

In the event of a fire, wear full protective clothing and NIOSH/MSHA-approved self-contained breathing apparatus with full facepiece operated in the pressure demand or other positive pressure mode.

Unusual Fire and Explosion Hazards

Emits toxic fumes during fire.

Section V Reactivity Data

Stability	Unstable		Conditions to Avoid	Unknown
	Stable	X		

Incompatibility Materials to Avoid

Unknown

Hazardous Decomposition or Byproducts

Carbon oxides, Nitrogen oxides.

Hazardous Polymerization**Conditions to Avoid**

	May Occur		No known conditions.
	Will Not Occur	X	

Section VI Health Hazard Data**Routes of Entry****Inhalation ?****Skin ?****Ingestion ?**

Multiple	Yes	Yes	Yes
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Health Hazards (Acute and Chronic)

SKIN: May cause irritation. EYE: May cause irritation. INHALATION: Destructive to mucous membranes and upper respiratory tract. INGESTION: May be harmful if ingested.

Carcinogenicity**NTP****IARC Monographs****OSHA REGULATED?**

	Group 1 (anticipated)	Not Listed	Not Listed
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Signs and Symptoms of Exposure.

INHALATION: Irritation, cough, difficulty breathing, sneezing. SKIN/EYES: Irritation, redness and/or swelling, itching. INGESTION: Nausea, irritation of esophagus and mouth, gastrointestinal pain.

Medical Conditions Generally Aggravated by Exposure

Open wounds, burns and areas with mucosal damage.

Emergency and First Aid Procedures

EYES: Flush eyes with large amounts of water for at least 15 minutes, holding eyelids apart. Do not use chemical antidote. **SEEK MEDICAL ATTENTION.** SKIN: Immediately wash contaminated areas with water. Remove contaminated clothing. INGESTION: **DO NOT** induce vomiting. Wash out mouth with water and give large amounts of water. INHALATION: Remove victim to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Section VII Precautions for Safe Handling and Use**Steps to be Taken in Case Material is Released or Spilled**

Evacuate area. Wear chemical-resistant goggles, rubber boots, apron and heavy rubber

Contain spill with dikes, Sweep up and place in a bag and hold for waste disposal.

Flush spill area with abundant quantities of water. Do not allow release to waterways or sewer.

Waste Disposal Method Observe all federal, state, and local regulations when disposing of this material.

Precautions to be Taken in Handling and Storing

Store in a cool, dry, well-ventilated area in tightly-closed, plainly-labelled containers. Store in a corrosion-resistant area. Protect against physical damage, light. Maintain adequate ventilation. Do not ingest or breathe vapors. Protect exposed tissues.

Other Precautions Containers, even when empty, will retain residue and vapors.

Always obey hazard warnings and handle empty containers as if they were full.

Section VII Control Measures**Respiratory Protection (Specify Type)**

NIOSH/MSHA-approved respirator with dust/mist cartridge if necessary

Ventilation

Local Exhaust Necessary

Special Safety shower nearby.

Mechanical (General) Recommended.

Other Eye wash nearby.

Protective Gloves Appropriate chemical-resistant gloves.

Eye Protection Chemical safety goggles

Other Protective Clothing or Equipment Body covering clothing or plastic apron.

Work /Hygienic Practices Wash exposed areas thoroughly with soap and water after handling. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. Wash contaminated clothing before reuse. Do not wear contact lenses when handling this product. Do not ingest. Do not breathe vapors.

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