



Hummel Croton Inc.  
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In Case Of Emergency Call  
(U.S.) 800-424-9300  
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## Cupric Oxide Safety Data Sheet

### 1. Product and Company

Product name: Cupric Oxide

Synonym: Cupric Oxide, Black

CAS-No.: 1317-38-0

Company: Hummel Croton Inc.  
10 Harmich Rd.  
South Plainfield, NJ 07080

Telephone: 908-754-1800  
Fax: 908-754-1815

HMIS Rating	
Health	0
Flammability	0
Reactivity	0
Personal Protection	E

Emergency telephone number

Emergency Phone #: Chemtrec US: 800-424-9300  
ChemTel International: +1-813-248-0585

### 2. Hazards

GHS Classification Acute aquatic toxicity (Category 1), H400  
Chronic aquatic toxicity(Category 3), H412

#### GHS Label elements

Pictogram(s)



Signal word **WARNING**

Hazard statement(s)

H400 Very toxic to aquatic life.  
H412 Harmful to aquatic life with long lasting effects

Precautionary statement(s)

- P273 Avoid release to the environment.  
P280 Wear protective gloves/eye protection/face protection  
P391 Collect spillage.  
P501 Dispose of contents/ container to an approved waste disposal plant.

Hazards not otherwise classified (HNOC) or not covered by GHS

None.

### 3. Composition/Ingredients

Substance  
Formula: CuO  
Molecular weight: 79.55 g/mol  
CAS-No.: 1317-38-0

Material	CAS	%	OSHA	ACGIH
Cupric Oxide	1317-38-0	100%	1 mg/m <sup>3</sup> as Cu	1 mg/m <sup>3</sup> as Cu

### 4. First Aid

**First Aid For Eye:** In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

**First Aid For Skin:** In case of contact, flush skin with water. Wash clothing before reuse. Call a physician if irritation occurs.

**First Aid For Inhalation:** If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Call a physician.

**First Aid For Ingestion:** If swallowed, call a physician immediately.

### 5. Fire Data

Flammability: Non-Flammable

Flash Point: Not Applicable

Auto Ignition: Not Applicable

Flammable Limits: Not Applicable

Extinguishing Media: Material is non-combustible. Follow fire-extinguishing procedures for surrounding combustibles.

Fire/Explosion Hazards: None.

### 6. Accidental Release

Spill Or Leak Procedures: Utilize recommended protective clothing and equipment. Clean spills in a manner that does not disperse dust into the air. Spill area can be washed with water.

Collect wash water for approved disposal. Keep from entering water or ground water.

## 7. Handling And Storage

Storage Temperatures: Store at ambient temperature

Shelf Life: Unlimited in tightly sealed container

Special Sensitivity: None.

Handling/Storage Precautions: Avoid breathing dust. Avoid getting in eyes or on skin. Wash thoroughly after handling. Store in a dry place away from direct sunlight, heat and incompatible materials. Reseal containers immediately after use. Store away from food and beverages.

## 8. Exposure Controls/Personal Protection

Eye Protection: Safety glasses or goggles.

Skin Protection: PVC gloves with impervious boots, apron or coveralls. Wash hands and face before eating, drinking or using tobacco.

Respirator: Work ambient concentrations should be monitored and if the recommended exposure limit is exceeded, a NIOSH/MSHA approved dust respirator must be worn.

Ventilation: Use local ventilation if dusting is a problem, to maintain air levels below the recommended exposure limit.

Additional Measures: Emergency showers and eye wash stations should be available. Educate and train employees in the safe handling of hazardous chemicals.

## 9. Physical And Chemical Properties

Physical Form: Fine Powder

Color: Black

Odor: Odorless

Molecular Weight: 79.54 g/mol

Boiling Point: Not Applicable

Melting/Freezing Point: Decomposes at 1847°F

Solubility In Water: Insoluble

Specific Gravity: 6.0

## 10. Stability And Reactivity

Stability: Stable.

Hazardous Polymerization: Will not occur.

Incompatibilities: Acids, bases, hydrazine, strong reducing agents.

Instable Conditions: Excessive temperatures (see incompatibilities).

Decomposition Temperature: Decomposes at 1847°F

Decomposition Products: Copper fumes and cuprous oxide.

## 11. Toxicological Information

RTECS Number: Not established

Routes Of Exposure: Eye contact. Ingestion. Inhalation. Skin contact.

Toxicity Data: To the best of our knowledge the toxicological properties of this compound have not been thoroughly investigated.

Chronic Toxic Effects: Symptoms of systemic copper poisoning may include: capillary damage, headache, cold sweat, weak pulse, kidney and liver damage, central nervous system excitation followed by depression, jaundice, convulsions, paralysis and coma. Death may occur from shock or renal failure.

Acute Toxic Effects: Irritating to the skin and eyes on contact. Inhalation will cause irritation to the lungs and mucus membrane. Irritation to the eyes will cause watering and redness.

Reddening, scaling, and itching are characteristics of skin inflammation. Follow safe industrial hygiene practices and always wear protective equipment when handling this compound.

## **12. Ecological Information**

Ecotoxicity: Not available at this time.

## **13. Disposal Considerations**

Waste Disposal Method: Waste disposal should be in accordance with existing federal, state and local environmental regulations.

## **14. Transportation Information**

Proper Shipping Name: Environmentally Hazardous Substance, N.O.S. (Cupric Oxide)

UN Number: UN3077

Class: 9

P.G.: III

Label Code: 9

Reportable Quantity: 5000(2270)

## **15. Regulatory Information**

OSHA Status: This product is hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200.

TSCA Chemical Inventory: This compound is on the EPA Toxic Substance Control Act (TSCA) Inventory List

California Proposition 65: To the best of our knowledge, this product contains no levels of listed substances, which the State of California has found to cause cancer, birth defects or other reproductive effects.

SARA 313 Title III:

Section 320 Extremely Hazardous Substances: None

Section 311/312 Hazardous Categories: None

Section 313 Toxic Chemicals: This product may be subject to reporting (Copper content 55.0-59.5%)

## 16. Other Information

Prepared By: Michael Richard

Date: March 21, 2018

Reason For Issue: Emergency Contact Update

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