



# Safety Data Sheet

Issue Date: 03-Jun-2013

Revision Date: 10-Jul-2014

Version 1

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Copper Carbonate</b>
<b>MSDS #</b>	<b>OBC-003-CA</b>
<b>Recommended Use</b>	Wood preservative. For industrial use.
<b>Synonyms</b>	Basic Copper Carbonate, Copper (II) Carbonate Hydroxide (2:1:2); Copper (carbonate(2-1)) dihydroxydi-; Copper (II) carbonate; Copper Carbonate Hydroxide
<b>Supplier Address</b>	Old Bridge Chemicals, Inc. 554 Waterworks Rd. Old Bridge, NJ 08857
<b>Company Phone Number</b>	(732) 727-2225 (normal business hours) (800) 275-3924 (24 hour number)
<b>Emergency Telephone (24 hr)</b>	Chemtrec 1-800-424-9300 (North America) 1-703-527-3887 (International)

## 2. HAZARDS IDENTIFICATION

### EMERGENCY OVERVIEW:

Harmful if swallowed  
Irritating to skin  
Irritating to respiratory system  
Irritating to eyes

<b>Appearance</b> Fine green powder	<b>Physical State</b> Solid.	<b>Odor</b> Odorless
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### Potential Health Effects

#### Acute Toxicity

#### Eye Contact

#### Skin Contact

#### Inhalation

#### Ingestion

Irritating to eyes.  
Irritating to skin.  
Irritating to respiratory system.  
May cause discomfort if swallowed.

#### Chronic effects

Prolonged or repeated skin exposure may cause dermatitis. Prolonged exposure to dusts of copper salts may cause discoloration of the skin or hair, blood or liver damage, ulceration and perforation of the nasal septum, runny nose, metallic taste and atrophic changes and irritation of the mucous membranes.

<b>Symptoms</b>	<p>Swallowing: may cause burning pain in mouth, esophagus and stomach. Hemorrhagic gastritis, nausea, vomiting, abdominal pain, metallic taste and diarrhea may occur. If vomiting does not occur immediately systemic copper poisoning may occur. Symptoms may include capillary damage, headache, cold sweat, weak pulse, kidney and liver damage, central nervous excitation followed by depression, jaundice, convulsions, blood effects, paralysis and coma. Death could occur from shock or renal failure.</p> <p>Skin Contact: Certain individuals may have skin sensitivity to copper. May cause irritation with redness and pain.</p> <p>Eye Contact: May cause irritation, redness, pain, blurred vision and discoloration. May cause corneal opacity, inflammation and conjunctivitis.</p> <p>Inhalation: May cause irritation to upper respiratory tract. Symptoms include coughing, sore throat and shortness of breath. May result in ulceration and perforation of respiratory tract. When heated, this compound may give off copper fume, which can cause symptoms similar to the common cold, including chills and stuffiness of the head.</p>
<b>Aggravated Medical Conditions</b>	None known.
<b>Environmental Hazard</b>	See Section 12: ECOLOGICAL INFORMATION

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No	Weight-%
Copper Carbonate	12069-69-1	100

### 4. FIRST-AID MEASURES

<b>General Advice</b>	Provide this MSDS to medical personnel for treatment.
<b>Eye Contact</b>	Immediately flush eyes with gentle but large amount of water for at least 15 minutes, lifting lower and upper eyelids occasionally. Call a physician immediately.
<b>Skin Contact</b>	Wash affected areas thoroughly with soap and water for at least 15 minutes. Remove and wash contaminated clothing before reuse. Get medical attention.
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. Call a physician.
<b>Ingestion</b>	Induce vomiting, but only if victim is fully conscious. Never give anything by mouth to an unconscious person. Call a physician or poison control center immediately.
<b>Notes to Physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Flammable properties</b>	Not flammable.
<b>Flash Point</b>	Not Applicable
<b>Suitable Extinguishing Media</b>	Dry chemical, CO <sub>2</sub> , water spray or regular foam. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.
<b><u>Explosion Data</u></b>	
<b>Sensitivity to Mechanical Impact</b>	None.
<b>Sensitivity to Static Discharge</b>	None.

**Specific Hazards Arising from the Chemical** This product does not sustain combustion.

**Protective equipment and precautions for firefighters** Firefighters wear protective clothing and self contained breathing apparatus. May be an explosion hazard when mixed with incompatibles. See Section 10 for incompatible materials.

## 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions** Wear protective clothing as described in Section 8 of this safety data sheet.

**Methods for Containment** Prevent further leakage or spillage if safe to do so. Dike far ahead of spill to collect runoff water.

**Methods for Clean-Up** Keep in suitable, closed containers for disposal. Prevent run off to storm sewers and ditches leading to natural waterways.

## 7. HANDLING AND STORAGE

**Advice on Safe Handling** Handle in accordance with good industrial hygiene and safety practice. Use personal protection recommended in Section 8.

**Storage Conditions** Keep containers tightly closed in a dry, cool and well-ventilated place.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Guidelines** No exposure limits noted for ingredient(s)

**Engineering Controls** Local exhaust and mechanical ventilations are recommended to be used as engineering controls. Eyewash stations. Showers.

### Personal protective equipment (PPE)

**Skin and Body Protection** Wear protective gloves and protective clothing.

**Eye/Face Protection** Use chemical safety goggles and/or full-face shield where dusting is possible.

**Respiratory Protection** Ensure adequate ventilation, especially in confined areas.

**General Hygiene Considerations** Handle in accordance with good industrial hygiene and safety practice.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Information on basic physical and chemical properties

<b>Physical State</b>	Solid	<b>Odour</b>	Not determined
<b>Appearance</b>	Fine green powder	<b>Colour</b>	Not determined
<b>Odour Threshold</b>	Not determined		

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
<b>pH</b>	Not Applicable	
<b>Melting Point/Freezing Point</b>	200 °C / 392 °F	
<b>Boiling Point/Boiling Range</b>	Not Applicable	
<b>Flash Point</b>	Not Applicable	
<b>Evaporation Rate</b>	Not Applicable	
<b>Flammability (Solid, Gas)</b>	Not determined	
<b>Upper Flammability Limits</b>	Not determined	

<b>Lower Flammability Limit</b>	Not determined
<b>Vapour Density</b>	Not determined
<b>Relative Density</b>	Not determined
<b>Vapour Pressure</b>	Not determined
<b>Water Solubility</b>	Insoluble in water
<b>Solubility in other solvents</b>	Soluble in acids
<b>Partition Coefficient</b>	Not determined
<b>Auto-ignition Temperature</b>	Not determined
<b>Decomposition Temperature</b>	Not determined
<b>Kinematic Viscosity</b>	Not determined
<b>Dynamic Viscosity</b>	Not determined
<b>Explosive Properties</b>	May be an explosion hazard when mixed with incompatibles See Section 10 for incompatible materials
<b>Oxidising Properties</b>	Not determined

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Stable under recommended storage conditions.
<b>Incompatible Materials</b>	Sodium hypobromite, acetylene, hydrazine, nitromethane and strong acids.
<b>Conditions to Avoid</b>	Incompatible Materials.
<b>Hazardous Decomposition Products</b>	None under normal use conditions. Acrid smoke and fumes emitted if heated to decomposition. Smoke maybe acrid and fumes irritating.
<b>Hazardous Polymerization</b>	Hazardous polymerization does not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

<b>Product Information</b>	.
<b>Inhalation</b>	Irritating to respiratory system.
<b>Eye Contact</b>	Irritating to eyes.
<b>Skin Contact</b>	Irritating to skin.
<b>Ingestion</b>	May cause discomfort if swallowed.
<b>Component Information</b>	Not available

### Chronic toxicity

<b>Chronic toxicity</b>	Prolonged or repeated skin exposure may cause dermatitis. Prolonged exposure to dusts of copper salts may cause discoloration of the skin or hair, blood or liver damage, ulceration and perforation of the nasal septum, runny nose, metallic taste and atrophic changes and irritation of the mucous membranes.
<b>Carcinogenicity</b>	This product does not contain any carcinogens or potential carcinogens as listed by OSHA, IARC or NTP.
<b>Target organ effects</b>	None known.

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

The environmental impact of this product has not been fully investigated.

## 13. DISPOSAL CONSIDERATIONS

### **Disposal of Wastes**

Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements. With prior approval the material can be returned to the manufacturer.

### **Contaminated Packaging**

Dispose of in accordance with federal, state and local regulations. Do not reuse container.

## 14. TRANSPORT INFORMATION

DOT Not regulated

IATA Not regulated

IMDG Not regulated

TDG Not regulated

## 15. REGULATORY INFORMATION

### International Inventories

**DSL/NDSL** - Canadian Domestic Substances List/Non-Domestic Substances List

**EINECS/ELINCS** - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

**ENCS** - Japan Existing and New Chemical Substances

**IECSC** - China Inventory of Existing Chemical Substances

**KECL** - Korean Existing and Evaluated Chemical Substances

**PICCS** - Philippines Inventory of Chemicals and Chemical Substances

**AICS** - Australian Inventory of Chemical Substances

### US Federal Regulations

#### **SARA 313**

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372

#### **SARA 311/312 Hazard Categories**

<b>Acute Health Hazard</b>	Yes
<b>Chronic Health Hazard</b>	Not determined
<b>Fire Hazard</b>	Not determined
<b>Sudden Release of Pressure Hazard</b>	Not determined
<b>Reactive Hazard</b>	Not determined

**CWA (Clean Water Act)**

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

**CERCLA**

This material, as supplied, does not contain any substances regulated as hazardous substances under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302) or the Superfund Amendments and Reauthorization Act (SARA) (40 CFR 355).

**US State Regulations****California Proposition 65**

This product contains the following Proposition 65 chemicals

Chemical Name	California Proposition 65
Copper Carbonate	x

**U.S. State Right-to-Know Regulations****International Regulations****CANADA**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all the information required by the CPR

**WHMIS Hazard Class**

Class D, Div. 2

**Canadian Provincial OEL****16. OTHER INFORMATION**

<b>NFPA</b>	<b>Health Hazards</b> 3	<b>Flammability</b> 0	<b>Stability</b> 0	<b>Special Hazards</b> -
<b>HMIS</b>	<b>Health Hazards</b> 3	<b>Flammability</b> 0	<b>Physical Hazards</b> 0	<b>Personal Protection</b> -

**Issue Date:** 03-Jun-2013

**Revision Date:** 10-Jul-2014

**Revision Note:** New format

**Disclaimer**

The information provided in this Material Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**End of Safety Data Sheet**