SAFETY DATA SHEET

COPPER CARE WOOD PRESERVATIVES, INC.

1: IDENTIFICATION

Product Identifier:	Cu-Bor™ Wood Preservative
Other Means of Identification:	
SDS Number:	CCWP001
USEPA Registration #:	54471-10
Canada PMRA Registration #:	27621 Pest Control Products Act
Recommended Restrictions:	None Known
Manufacturer/Importer/Supplier	
Distributor Information:	
Company Name:	Copper Care Wood Preservatives, Inc.
Address:	4307 23rd Street PO Box 707 Columbus, NE 68602-0707 USA
Telephone:	+1(402)563-2663 +1(402)910-0500 --- 24/7
Website:	**coppercare.com**
E-Mail:	bill@coppercare.com
Contact Person:	William Abbott
Emergency Number:	**Chemtrec 800-424-9300**

2: HAZARD(S) IDENTIFICATION

Physical Hazards: Not Classified

Health Hazards - Statements:
GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)

Reproductive toxicity (Category 2) H361 Suspected of damaging fertility or the unborn child
Eye irritant (Category 2) H319 Causes serious eye irritation.

Acute Oral (Category 5) H303 May be harmful if swallowed.

OSHA Defined Hazards: Not Classified

Label Elements:

Signal Word: Warning

Precautionary Statement - Prevention: Obtain special instructions before use. Do not Handle until all safety precautions have been Read and understood. Avoid release to the Environment. Wear protective gloves and clothing Wear eye protection.

Response: If exposed or concerned; get medical attention.

Storage: None

Disposal: Dispose of contents/container in accordance with All applicable laws and regulations.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

Chemical Name	CAS #	PERCENT %
Sodium Tetraborate Decahydrate	1303-96-4	40-50%
Monoethanolamine	141-43-5	5-10%
Copper Hydroxide	20427-59-2	1-5%

Composition Comments: Percentages given by weight

4. FIRST-AID MEASURES

Inhalation: Move to fresh air. Call a physician if symptoms persist.

Skin Contact: Wash off with soap and water. Get medical attention is irritation develops or persists.

Eye Contact: Hold eye open. Rinse gently with water for fifteen (15) minutes. Get medical attention if irritation develops.

Ingestion: Rinse mouth. Call physician if symptoms develop.

Most Important Symptoms/Effects, Acute and Delayed:

Direct contact may cause reversible eye injury or temporary eye irritation.

Indication of Immediate Medical Attention and Special Treatment Needed:

If symptoms or concerns persist after first-aid seek Medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Foam, CO_2, Dry Chemical, Water Fog. ABCD Extinguishers.

Unsuitable Extinguishing Media: None Known.

Specific Hazards Arising From the Chemical:

Gases hazardous to health may form during combustion.

Special Protective Equipment and Precautions for Firemen:

Wear MSHA/NIOSH-approved, self-contained breathing apparatus and full protective clothing.

Fire Fighting Instructions/Equipment: Spray water to cool unopened containers.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Use personal protective equipment (PPE) SDS Sec. 8 for PPE. Ensure adequate ventilation. Contact local authorities if spillage cannot be contained.

Methods and Materials for Containment and Cleaning Up:

Stop the flow of material. Collect spillage. Clean. Prevent entry to waterways. If possible use Recovered material. Disposal see SDS Sec. 13.

Environmental Precautions: Avoid release into aquatic environments.

7. HANDLING AND STORAGE

Precautions for Safe Handling: Observe good industrial hygiene practices. Avoid Contact during pregnancy/nursing. Wear Personal Protective Equipment (PPE) SDS Sec. 8

Conditions for Safe Storage, Including Any Incompatibles:

Store away from food or feed in a secure, well Ventilated area. Keep out of reach of Children. Store in original containers. Incompatible with Strong reducing agents.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

OSHA Table Z-1 Limits for Air Contaminants 29CFR 1910.1000		
Substance	**PEL-TWA (8 hour)**	**PEL-STEL (15 min)**
Sodium Tetraborate Decahydrate	10 mg/m^3	none available
Monoethanolamine	3 ppm (7.5 mg/m^3)	6 ppm (15 mg/m^3)
Copper Hydroxide	1 mg/m^3	none available

ACGIH Threshold Limit Values		
Substance	**TLV-TWA (8 hour)**	**TLV-STEL (15 min.)**
Sodium Tetraborate Decahydrate	2 mg/m^3	6 mg/m^3
Monoethanolamine	3 ppm (7.5 mg/m^3)	6 ppm (15 mg/m^3)
Copper Hydroxide	1 mg/m^3	none available

NIOSH Pocket Guide to Chemical Hazards		
Substance	**TWA**	**STEL**
Sodium Tetraborate Decahydrate	5 mg/m^3	none available
Monoethanolamine	3 ppm (7.5 mg/m^3)	6 ppm (15 mg/m^3)
Copper Hydroxide	1 mg/m^3	none available

Biological Limit Values: No biological limits noted for the ingredients.

Appropriate Engineering Controls:

Ventilate to maintain exposure below TLVs. Use Engineering controls (mechanical exhaust) as needed.

Individual protection measures, Personal Protective Equipment (PPE):

Eye/Face Protection: Wear Safety Googles/side shields

Skin/Hand Protection: Wear chemical-resistant gloves when handling material or open containers.

Other: Wear long-sleeve shirt or sleeve protectors, long pants Boots with socks. Keep PPE clean with soap and water. Separate laundry. Discard heavily saturated/contaminated PPE. Do not launder or reuse.

Respiratory protection: None required where adequate ventilation conditions exist. If mist is generated during the application process, wear Disposable mist respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Physical State:	Solid/Paste
Form:	Paste
Color:	Blue
Odor:	Faint
Odor Threshold:	not available
pH:	10.5
Melting/Freezing Point:	not available
Initial Boiling Point/Range:	not applicable
Flash Point:	not available
Evaporation Rate:	<1(nBuAC=1)
Upper/Lower Flammability:	non-combustible – limits not applicable
Vapor Pressure:	>1mm Hg
Vapor Density:	>1
Relative Density (spec. gravity):	1.11
Solubility – water:	10 – 97% (Soluble)
Auto-ignition temperature:	Unknown

Decomposition temperature: Unknown

Viscosity: 280 – 315 mm Penetrometer

Other Information:

Bulk Density: 10 lb/gal

VOC – Volatile Organic Compounds (g/l): 27 g/l

10. STABILITY AND REACTIVITY

Reactivity: Stable under normal conditions of storage, transport & use.

Chemical Stability: Stable

Possibility of Hazardous Reactions:

None Known

Conditions to Avoid: None Known

Incompatible Materials: Strong Reducing Agents, Oxidants.

Hazardous Decomposition Products:

CO, CO_2, NO, N_2O, Boranes, BO

11. TOXICOLOGICAL INFORMATION

Information on Likely Routes of Exposure:

Ingestion: May cause discomfort if swallowed

Inhalation: Prolonged Inhalation may be harmful

Skin Contact: Prolonged skin contact may cause irritation and redness

Eye Contact: Direct contact can cause reversible damage, irritation, redness.

Symptoms Related to Physical, Chemical and Toxicological Characteristics:

Eyes; burning, tearing, redness, blurred vision

Delayed and Immediate Effects and Chronic Effects from Short/Long-term Exposure:

None Known

Acute Toxicity: Product - Cu-Bor™

Acute	Species	Test Results
Dermal LD50	Rabbit	>2020 mg/kg
Inhalation LC50	Rat	>2.42 mg/l
Oral LD50	Rat	>3683 mg/kg

Skin Corrosion/Irritation: Prolonged skin contact may cause temporary irritation.

Serious Eye Damage: May cause reversible eye damage and severe irritation

Respiratory Sensitization: No information to indicate product will cause respiratory sensitization.

Skin/Dermal Sensitization: No information this product will cause skin sensitization.

Germ Cell Mutagenicity: No information to indicate product or components are Mutagenic or genotoxic.

Carcinogenicity: No data or information that this product or its components are suspected carcinogens.

Reproductive Toxicity: May damage fertility or the unborn child.

Specific Target Organ Toxicity – Single Exposure: Not Classified

Specific Target Organ Toxicity – Repeated Exposure: Not Classified

Aspiration Hazard: Not Classified

Chronic Effects: None Known

12. ECOLOGICAL INFORMATION

Ecotoxicity: Toxic to Fish and Aquatic Invertebrates

Persistence and degradability: No data available

Bioaccumulative Potential: No data available

Mobility in Soil: No data available

Other Adverse Effects: None known

13. DISPOSAL CONSIDERATIONS

Disposal Instructions: Dispose of containers/product in landfills in accordance With local, state and federal regulations, statues and laws. Do not contaminate aquatic environments directly or indirectly with this product

Pesticide Disposal: Follow USEPA/PMRA Label instructions for disposal of Wastes generated during use. Follow all applicable local, State and federal laws and regulations.

Container Disposal: Triple rinse or equivalent, then offer for recycling or reconditioning. Alternatively puncture and dispose of in a sanitary landfill. If allowed by Local and State authorities containers can be burnt. If burned stay out of

smoke.

14. TRANSPORTATION INFORMATION

DOT: Not regulated as dangerous goods.

IATA: Not regulated as dangerous goods.

IMDG: Not regulated as dangerous goods.

Cu-Bor™ has no UN number and is not regulated under international rail, road, water or air transport

15. REGULATORY INFORMATION

FIFRA USEPA and PRMA Registered Pesticide:

This chemical is a pesticide product registered by USEPA and PRMA Canada. It is subject to certain labeling requirements under US and Canadian law. These requirements differ from the classification criteria and hazard information required for safety data sheets and for workplace labels of non-pesticide chemicals.

Signal Word: Warning
Precautionary Statements:

Causes substantial, but temporary eye injury.
Harmful if swallowed or absorbed through skin. Do not get in eyes or on clothing. Avoid contact with skin. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

This product is toxic to fish and aquatic organisms. Do not apply directly to water, to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water by disposal or equipment wash waters.

TSCA Sec. 12 (b) Export Notification (40 CFR 707, Subpt. D):
Not Regulated
OSHA Hazard Communication Standard (29 CFR 1910.1200):
Regulated
OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050:
Not Regulated
CERCLA Hazardous Substance List (40 CFR 302.4):
Listed – Copper Hydroxide (CAS 20427-59-2)
SARA 302 Extremely Hazardous Substance:
Not Listed
SARA 311/312 Hazardous Chemical:

Yes

SARA 313 (TRI Reporting)
Copper Hydroxide CAS# 20427-59-2 % by weight 1% - 5%

SARA Hazard Categories: Immediate Hazard – yes
Delayed Hazard – yes
Fire Hazard – no
Pressure Hazard – no
Reactivity Hazard – no

CCA Sec. 112 Hazardous Air Pollutants (HAP list):
Not Regulated

CAA Sec. 112(r) Accidental Release Prevention (40 CFR 68.130)
Not Regulated

Safe Drinking Water Act SDWA: Not Regulated

16. OTHER INFORMATION – INCLUDING DATE OF SDS ISSUE & REVISION

Issue Date: 27 April 2016

Revision Date: 27 April 2016

Revision No. 01

HMIS Ratings: Health: 2
Flammability: 0
Physical Hazard: 0

NFPA Ratings: Health: 2
Flammability: 0
Physical Hazard: 0

Disclaimer: Copper Care Wood Preservatives, Inc. cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available. The information herein is given in good faith but no warranty, expressed or implied, is made, and Copper Care Wood Preservatives, Inc. expressly disclaims liability from reliance on such information.