

Treatment for cut ends of Tree House lumber

MATERIAL SAFETY DATA SHEET



COPPER CARE PRODUCT NAME:

Tenino Copper Naphthenate

Copper Care Wood Preservatives Inc. P.O. Box 707 Columbus, NE 68602-0707	In Case of Emergency, Call Copper Care Wood Preservatives Inc: 888-817-1031 800-473-0179
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A. PRODUCT INFORMATION

Product Code: Copper Naphthenate / Tenino Copper Naphthenate
Common Name/Synonyms: Naphthenic Acid, Copper Salt
Chemical Name(s): See Section G
DOT Shipping Name/ID No.: Combustible Liquid, NOS/NA 1993
HMIS Rating: Health-1 Flammability-2 Reactivity-0
Least=0; Slight=1; Moderate=2; High=3; Extreme=4;
Product Appearance/Description: Blue-green liquid

B. FIRST AID INFORMATION

Eye Contact: May cause eye irritation. Immediately flush the eyes with plenty of running water, including under the eyelids, for at least 15 minutes. If irritation persists, get medical attention.

Skin Contact: May cause skin irritation. Immediately wash from the skin by removing contaminated clothing and flushing the exposed area with water and soap. If irritation persists, get medical attention.

Inhalation: May be harmful if inhaled. Remove to fresh air. Have qualified person restore and/or support breathing with oxygen, if needed. Keep warm. If irritation persists, get medical attention.

Ingestion: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless told to do so by a poison control center or doctor.

NOTE TO PHYSICIAN

No specific antidote is known. Based on the individual reactions of the patient, the physician's judgment should be used to control symptoms and clinical conditions.

C. HEALTH HAZARD DATA

This material is not listed as a carcinogen by IARC, NTP or OSHA.

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This material meets the following health hazard definition(s) according to the OSHA Hazard Communication Standard (29 CFR 1910.1200):

<input type="checkbox"/> Highly Toxic	<input type="checkbox"/> Corrosive
<input type="checkbox"/> Toxic	<input checked="" type="checkbox"/> Irritant
<input type="checkbox"/> Non-Hazardous	<input type="checkbox"/> Sensitizer
<input type="checkbox"/> Information Not Available	

D. HANDLING AND STORAGE PRECAUTIONS

Avoid contact with eyes, skin or clothing.

Avoid breathing vapors, mists or spray.

Do not take internally.

Use with adequate ventilation.

Use respiratory protection when overexposure to vapors, mists or spray is possible.

When handling, wear safety glasses, chemical splash goggles or face shield. Also wear chemically

Keep containers closed.

Store containers in cool, well ventilated areas away from ignition sources.

E. PERSONAL PROTECTION INFORMATION

Ventilation:

Use adequate ventilation to control exposure.

Respiratory Protection:

Use NIOSH/MSHA approved air purifying respirator equipped with organic vapor cartridge(s) to minimize respiration exposure. In case of a spill or leak resulting in unknown concentration, use NIOSH/MSHA approved air supplied respirator.

Eye Protection:

Wear chemical safety glasses or goggles. A full face shield to protect against splashing may also be used.

Skin Protection:

Wear chemical resistant gloves when handling this material. Heavy PVC or butyl-viton is recommended. Gloves may be decontaminated by washing with soap and water.

Other Protective Clothing and Equipment:

Impervious protective clothing and chemically resistant footwear should be worn to minimize contact if needed.



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F. SPILL, LEAK AND DISPOSAL PROCEDURES

Evacuate area.

Shut off ignition sources.

Only properly trained personnel should respond to spills or leaks.

Wear protective equipment and/or garments as specified in Section E.

When entry must be made into an area where the concentration is unknown, use NIOSH/MSHA approved self-contained breathing apparatus (SCBA) and protective equipment as described in Section E.

Absorb spilled liquid onto inert material and transfer into disposal drums.

Large spills should be removed using a vacuum truck.

Wash spill area with water and foam (AFFF) and absorb onto inert material and transfer into disposal drums.

Spills on areas other than pavement, e.g., dirt, sand, etc., may be handled by removing the affected soils and placing in approved containers.

WASTE DISPOSAL

The materials resulting from clean-up operations of a spill may be hazardous and, therefore, subject to specific regulations. Package, store, transport and dispose of all clean-up materials and any contaminated equipment in accordance with all applicable federal, state and local regulations. Shipments of waste materials may be subject to manifesting requirements per applicable regulations. Appropriate disposal will depend on the nature of the waste and should be performed by competent and properly permitted contractors. Ensure that all responsible federal, state and local agencies receive proper notification of spill and disposal methods.

Spills or releases should be reported, if required, to the appropriate local, state and federal regulatory agencies.

This material does not contain substances with Reportable Quantities (RQs).

MATERIAL REPORTABLE UNDER TITLE III, SECTION 313

The following substance(s) are subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR 372. The substance(s) may not be reflected in Section C or G of this MSDS.

<u>Substance</u>	<u>CAS No.</u>	<u>Approx. Wt. %</u>
Copper Compounds	Not Applicable	2% (as Cu)

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Product and/or components entered on EPA's TSCA inventory: YES

G. CHEMICAL OR HAZARDOUS COMPONENTS

TLV	Component	CAS No.	Approx. Wt. %	Exposure Guidelines	
				OSHA PEL (ppm)	ACGIH mg/m ³
	Copper Naphthenate	1338-02-9	15-20	1 mg/m ³ *	
	Hydrocarbon Solvent	8052-41-3	80-85	500	525

*for copper dusts/mists (as Cu)

H. FIRE AND EXPLOSION DATA

Flash Point: >100°F (>38°C) (Cleveland Open Cup)

Explosive Range in Air; % by Vol.

- Lower: Not Established

- Upper: Not Established

Fire Extinguish. Media: Water Fog, AFFF (Foam), Dry Chemical, CO₂

Special Fire Fighting Procedures: Use water spray to cool fire exposed surfaces and to protect personnel. Isolate fuel supply from fire if possible. Use NIOSH/MSHA approved self-contained breathing apparatus.

Fire and Explosion Hazards: Moderate hazard. Liquid may burn upon heating to temperatures at or above flash point. If heated to decomposition, flammable and toxic gases may be released. Container explosion may occur under fire conditions.

I. REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Not Established

Incompatibility (Materials to Avoid): Strong oxidizing agents, acids, bases

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Hazardous Polymerization:

Not known to occur

Hazardous Decomposition Products:

Carbon Dioxide, Carbon Monoxide, Acids and aldehydes may be formed when material burns

J. PHYSICAL DATA

Appearance:	Blue-green Liquid
Odor:	Petroleum
Odor Threshold:	<1 ppm
pH:	Not Established
Boiling Point:	310-415°F (154-213°C)
Freezing Point:	Not Established
Reid Vapor Pressure:	Not Established
Specific Gravity:	0.80-0.85 @ 68°F/63°F
Vapor Density (Air=1):	>1
Solubility in Water:	Insoluble
Coefficient of Octanol/ Water Separation:	Not Available

K. ADDITIONAL COMMENTS

This information is offered in good faith and is believed to be accurate. Copper Care Wood Preservatives Inc., however, makes no guarantee or warranty, expressed or implied, regarding the accuracy of these data or the results to be obtained from the use hereof.

PRECAUTIONARY STATEMENTS
Hazards to Humans and Domestic Animals

WARNING

Harmful if swallowed. Do not exceed specified application rate. Use only the application method specified for a particular use. Do not get on skin or on clothing. Prolonged or repeated skin contact may cause allergic reactions in some individuals. Wear long sleeved shirt, long pants, and hand protection such as rubber or chemical resistant gloves. Do not get in eyes. Wear protection such as goggles, face shield, or safety glasses.

Do NOT breathe vapors or mist during brush, roll, spray and dip applications. Wear a NIOSH/MSHA approved mist/vapor respirator when spraying for continued or prolonged use of this product or for frequent use of this product.

In case of medical questions, emergencies, or accidents involving this product, call Copper Care Wood Preservatives Inc. at 1-888-817-0131 (After business hours call 1-800-473-0179). Application of this product may produce a strong, lingering, unpleasant odor.

ENVIRONMENTAL HAZARDS

This product is toxic to fish and aquatic organisms. Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge.

Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority.

For guidance contact your State Water Board or Regional Office of the EPA.

PHYSICAL AND CHEMICAL HAZARDS

Combustible. Do not use or store near heat or open flame.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage or disposal. Open dumping is prohibited.

STORAGE

Store at temperature between 0°F and 100°F. Store in original container only. Keep container closed when not in use.

PESTICIDE DISPOSAL

Pesticide concentrate, solution or salts that cannot be used or chemically reprocessed should be disposed of according to procedures approved by Federal, State or local authorities.

CONTAINER DISPOSAL

Plastic containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

or
Metal containers: Triple rinse (or equivalent). Then offer for recycling or reconditioning or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

GENERAL

Consult federal, state or local disposal authorities for approved alternative procedures.



Tenino Copper Naphthenate

EPA Reg. No. 71892-2-64471

EPA Est. No. 64471-NE-001

**KEEP OUT OF REACH
OF CHILDREN
WARNING**

FIRST AID

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes and then continue rinsing eyes with water. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for further treatment advice.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Do not give any liquid to the person. Do not give anything by mouth to an unconscious person. Do not induce vomiting unless told to do so by a poison control center or doctor.

IF INHALED: Remove person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor immediately for treatment advice.

Notes to Physician: Probable mucosal damage may contraindicate the use of gastric lavage.

Have the product container or label with you when calling a poison control center or doctor, or when going for treatment. In case of medical questions, emergencies, or accidents involving the product, call Copper Care Wood Preservatives Inc. at 1-888-817-0131 (After business hours call 1-800-473-0179).

See other precautionary statements on a side panel.

ACTIVE INGREDIENT:

Copper naphthenate.....16%

(Copper, as metal, 2%)

INERT INGREDIENTS:82%

TOTAL:100%

CONTAINS PETROLEUM DISTILLATES

DISTRIBUTED BY:

Copper Care Wood Preservatives, Inc.
41876 261 Avenue
Humphrey, NE 68642
888-817-0131

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

Use on the application method specified for a particular use. For Exterior Use Only.

Tenino Copper Naphthenate requires no dilution before use. It is intended to protect treated items against deterioration by stain, mold and decay fungi, mildew, termites, wood-boring beetles and carpenter ants.

Tenino Copper Naphthenate may be applied to wood products such as lumber, poles, siding, boats, piers, docks, boxes, roof shakes and shingles, pines, steps, fence pickets and rails, beverage crates, and for ornamental landscaping timbers, wooden seedling trays, plaid and flower box. Wood treated with Tenino Copper Naphthenate is NOT suitable for garden use. Effective application rates vary according to severity of conditions to which the treated product is exposed. Wood to be treated should be thoroughly seasoned and free of bark. Do not apply at sites on near water or wetlands. Wood treated with Tenino Copper Naphthenate should not be used where it may come in contact with food, feed or potable water.

FOR TEXTILE TREATMENT

Tenino Copper Naphthenate may be applied to cellulose textiles and cordage products such as tents, awnings, tarpaulins, canvas products, ropes, and nets (except fishnets). However, Tenino Copper Naphthenate should not be used to treat textiles intended for uses resulting in repeated skin contact with food or feed or potable water. Effective application results in 1% copper metal remaining in the treated product. The level of treatment is usually attained by dipping or soaking the product in Tenino Copper Naphthenate containing 2% copper metal.

FOR TREATMENT BY SPRAYING, DIP, ROLLER, AND BRUSH

Above Ground Contact

The best results will be obtained if wood to be treated is immersed for 3 minutes longer. If dipping is not possible, 2 brush coats, roller, or spray application should be applied. Allow at least 1 hour between applications. Make certain all areas are fully treated to get the maximum benefit. Allow 24 hours longer after application of the preservative prior to painting.

COVERAGE: One gallon covers 100-300 sq. ft. depending upon the wood species, pecky of the wood, and method of application.

GROUND CONTACT

Season or green wood may be treated. Make certain the wood is free of bark. Immerse in Tenino Copper Naphthenate for 12-48 hours or until the wood is completely penetrated.

FOR REIDIAL TREATMENTS

Tenino Copper Naphthenate solutions of 2% copper metal may be used for exterminatorial treatment of standing wood poles, piling and other existing structures.

Tenino Copper Naphthenate may be used by formulators as an active ingredient-ware for ready-to-use pesticide products registered with the US Environmental Protection Agency. Products formulated or repackaged from this product must be labeled for "Exterior Use Only," and must bear all statements listed under the section entitled Precautionary statements and the packager(s) or formulator(s) telephone number.

*American Wood Preserver's Association

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