

# SAFETY DATA SHEET



## TENINO COPPER NAPHTHENATE With Mineral/Oil Spirits Health Emergencies: (402) 910-0500

### 1. PRODUCT AND COMPANY INFORMATION

**Product Identity:** Tenino Copper Naphthenate

**Solvent:** Mineral Oil/Spirits

**Recommended use of the chemical and restrictions on use:** Kills subterranean termites, wood destroying beetles, powderpost beetles, carpenter ants and decay fungi. Use only according to label directions. It is a violation of Federal law to use this product in a manner inconsistent to label directions.

**Manufacturer:** Copper Care Wood Preservatives, Inc.  
41676 261 Avenue  
Humphrey, NE 68642

**Telephone:** Phone: (402) 563-2663  
Fax: (402) 564-9508

**Emergency Phone:** 402-910-0500

**SDS Date of Preparation:** 07/01/2021

### 2. HAZARDS IDENTIFICATION

**GHS Classification:**

Physical	Health	Environment
Flammable Liquid Category 4	Not Hazardous	Aquatic Acute Category 1 Aquatic Chronic Category 1

**GHS Label Elements:**



**Signal Word:** Warning!

**Statements of Hazard**

H227 Combustible liquid.

H411 Toxic to aquatic life with long lasting effects.

**Precautionary Statements**

P210 Keep away from flames and hot surfaces. – No smoking.

P273 Avoid release to the environment.

P280 Wear protective gloves, protective clothing, eye and face protection.

P370 + P378 In case of fire: Use water fog, foam, dry chemical, or carbon dioxide for extinction.

P391 Collect spillage.

P403 + P235 Store in a well-ventilated place. Keep cool.

P501 Dispose of contents and container in accordance with local and national regulations.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS No.	Amount
Copper Naphthenate	1338-02-9	10-20%
Mineral Oil/Spirits	805-41-3/64742-47-8	80-90%

The exact formulation is being withheld as a trade secret.

### 4. FIRST AID MEASURES

**Eye:** Immediately flush victim's eyes with large quantities of water for at least 15-20 minutes, while holding the eyelids apart. Remove contact lenses if easy to do so. Continue rinsing. Get immediate medical attention.

**Skin:** Immediately wash skin thoroughly with soap and water for at least 15-20 minutes. Remove contaminated clothing. Get medical attention if irritation persists. Launder clothing before re-use.

**Ingestion:** Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person. Get immediate medical attention.

**Inhalation:** Move victim to fresh air and keep at rest in a position that is comfortable. If breathing is difficult, administer oxygen or administer artificial respiration. Get immediate medical attention.

**Most important Symptoms:** May cause eye and skin irritation. Harmful if swallowed.

**Indication of immediate medical attention/special treatment:**

Immediate medical attention is required for eye contact, skin contact, inhalation, and ingestion. Call a poison center or doctor for further treatment advice. Have the product container or label with you when calling a poison center or doctor, or going for treatment. Probable mucosal damage may contraindicate the use of gastric lavage.

### 5. FIRE FIGHTING MEASURES

**Suitable (and Unsuitable) Extinguishing Media:** Use water fog, foam, dry chemical, or carbon dioxide. Cool fire exposed containers and structures with water.

**Specific hazards arising from the chemical:** A solid stream of water or foam directed into hot, burning liquids can cause frothing. Burning may produce carbon monoxide, carbon dioxide, inorganic copper, and other flammable and toxic gases.

**Special Protective Equipment and Precautions for Fire-Fighting Instructions:** Firefighters should wear positive pressure self-contained breathing apparatus and full protective clothing. Contain all runoff.

### 6. ACCIDENTAL RELEASE MEASURES

**Personal Precautions, Protective Equipment, and Emergency Procedures:** Evacuate spill area and keep unprotected personnel away. Wear appropriate protective clothing as described in Section 8. Avoid releases to the environment.

**Methods and Materials for Containment and Cleaning Up:** Dike and collect liquid or absorb with an inert absorbent and place in appropriate containers for disposal. Large spills should be removed using a vacuum truck. Wash spill area thoroughly. Prevent spill from entering sewers and watercourses. Report releases as required by local, state and federal authorities.

### 7. HANDLING AND STORAGE

**Precautions for Safe Handling:** Prevent contact with the eyes, skin and clothing. Avoid breathing mists or aerosols. Wear protective clothing and equipment as described in Section 8. Applicators, mixer and other handlers must wear chemical resistant gloves, protective eyewear, long-sleeved shirt, long pants, socks and shoes when handling or applying this product. Use with adequate ventilation. Wash thoroughly with soap and water after handling. Remove contaminated clothing immediately and wash before reuse. Remove PPE immediately after handling. Wash thoroughly after using and change into clean clothing. Keep containers closed when not in use.

Nonrefillable container. Do not reuse containers. Product residues in empty containers can be hazardous. Follow all SDS precautions when handling empty containers.

**Conditions for Safe Storage, Including Any Incompatibilities:**

Store in a cool (between 40°F and 90°F), dry, well-ventilated area away from incompatible materials. Keep out of reach of children and pets. Do not store in direct sunlight. Keep containers tightly closed. Protect from physical damage. Store away from oxidizers. Keep in locked storage.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Exposure Guidelines:

Copper Naphthenate	None Established
Mineral Oil/Spirits	100 ppm TWA ACGIH TLV 500 ppm TWA OSHA PEL

**Engineering Controls:** Use with adequate general or local exhaust ventilation to maintain exposure levels below the occupational exposure limits.

**Respiratory Protection:** In operations where exposure levels are exceeded, a NIOSH approved respirator with methylamine or organic vapor cartridges with approved pesticide prefilter or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection and use of respiratory equipment must be in accordance with OSHA 1910.134 and good industrial hygiene practice. Refer to the product label for additional information.

**Skin Protection:** Wear impervious gloves such as heavy PVC or butyl-viton. Gloves may be decontaminated by washing with soap and water.

**Eye Protection:** Wear safety goggles and faceshield where splashing is possible.

**Other:** Wear long-sleeve shirts, long pants, socks and shoes when using this product. Suitable washing facilities should be available in the work area.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**Appearance And Odor:** Dark green liquid with a pungent petroleum distillate odor.

**Physical State:** Dark green liquid **Odor Threshold:** Not established

**Vapor Density:** Not determined

**Initial Boiling Point/Range:** 250°F (121°C)

**Solubility In Water:** Insoluble **Vapor Pressure:** Negligible

**Relative Density:** 0.80-0.85 **Evaporation Rate:** Not determined

**Melting/Freezing Point:** Not determined **pH:** Not applicable

**Percent Volatile:** 75-85% by weight

**Octanol/Water Coefficient:** Not determined

**Solubility:** Soluble in hydrocarbon solvents

**Decomposition Temperature:** Not determined

**Viscosity:** Not determined **Flammability (solid, gas):** N/A

**Flashpoint:** : >66°C (>151°F) **COC Autoignition Temperature:** None

**Flammable Limits:** LEL: Not determined UEL: Not determined

## 10. STABILITY AND REACTIVITY

**Reactivity:** Not normally reactive

**Chemical Stability:** Stable under normal storage and handling conditions.

**Possibility of Hazardous Reactions:** None known.

**Conditions to Avoid:** None known.

**Incompatible Materials:** Avoid strong oxidizing agents.

**Hazardous Decomposition Products:** When heated to decomposition emits carbon monoxide, carbon dioxide, and inorganic copper.

## 11. TOXICOLOGICAL INFORMATION

### HEALTH HAZARDS:

**Ingestion:** May be harmful if swallowed. Ingestion of copper salts may produce vomiting, metallic taste, headache, cold sweats, shock, jaundice, swollen liver, kidney damage, CNS depression, and death from CNS depression or liver or kidney failure. Whether such effects occur following copper naphthenate ingestion is unknown.

**Inhalation:** Inhalation of mists may cause irritation of the nose, throat and upper respiratory tract. Prolonged inhalation of vapors may cause central nervous system effects, dizziness, drowsiness, somnolence, convulsions, tremors, light-headedness, loss of consciousness, impairment of short-term memory, loss of coordination, personality changes, headache, fatigue, stupor, and coma.

**Eye:** May cause irritation with redness and tearing.

**Skin:** May cause skin irritation with redness and pain.

**Chronic:** May cause damage to the blood, kidneys, nervous system, and peripheral nervous system. Prolonged skin contact may cause defatting, drying, skin ulcers, or pruritic eczema. Prolonged inhalation can affect behavior and central nervous system as described under inhalation.

**Sensitization:** This material is not known to cause sensitization.

**Carcinogenicity:** None of the components is listed as a carcinogen or suspected carcinogen by IARC, NTP or OSHA.

**Germ Cell Mutagenicity:** Not expected to cause germ cell mutagenicity.

**Reproductive Toxicity:** Not expected to cause reproductive toxicity.

### Numerical Measures of Toxicity:

#### Product Toxicity Data:

Oral rat LD<sub>50</sub>: >2000 mg/kg

#### Component Toxicity Data:

Mineral Spirits: Oral rat LD<sub>50</sub>: >5000 mg/kg; Dermal rabbit:

LD<sub>50</sub> >5000 mg/kg

Copper Naphthenate: Oral rat LD<sub>50</sub>: 2000 mg/kg

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity:

This product is classified as toxic to the aquatic environment with long-lasting effects. Releases to the environment should be avoided.

This product is toxic to algae. 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.

**Persistence and Degradability:** No data available. Product is expected to be persistent in the aquatic environment.

**Bioaccumulative Potential:** No data available.

**Mobility in Soil:** No data available.

**Other Adverse Effects:** No data available.

## 13. DISPOSAL CONSIDERATION

Dispose in accordance with local, state and federal environmental regulations. 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.

## 14. TRANSPORTATION INFORMATION

### DOT Hazardous Materials Description:

Proper Shipping Name: Combustible liquid, n.o.s. (copper naphthenate, mineral oil/spirits)  
Exempt: containers less than 110 gallons

UN Number: UN1268

Hazard Class/Packing Group: Combustible liquid, III Labels Required:  
Combustible liquid

## 15. REGULATORY INFORMATION

This chemical is a pesticide product registered by the United States Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets (SDS), and for workplace labels of non-pesticide chemicals. The hazard information required on the pesticide label is reproduced below. The pesticide label also includes other important information, including directions for use.

### FIFRA Labeling:

**Tenino Copper Naphthenate**  
**EPA Reg. No. 64405-22-54471**  
**Keep Out of Reach of Children**  
**WARNING**

### PRECAUTIONARY STATEMENTS

#### Hazards to Humans & Domestic Animals

Causes skin and eye irritation. Prolonged or repeated skin contact may cause allergic reaction in some individuals. Harmful if swallowed or inhaled. Do not breath vapors or mist during brush, roll and dip applications. Do not get in eyes, on skin or on clothing.

**CERCLA:** This product is not subject to reporting under CERCLA. Some states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

**SARA Hazard Category (311/312):** Acute Health

**SARA 313:** This product contains the following chemicals subject to Annual Release Reporting Requirements Under SARA Title III, Section 313 (40 CFR 372): Copper Compounds 10-20%

**EPA TSCA Inventory:** This product is regulated under FIFRA, thus exempt.

#### 16. OTHER INFORMATION

**NFPA Rating:**

Health = 1      Flammability = 2      Instability = 0

**HMIS Rating:**

Health = 1      Flammability = 2      Physical Hazard = 0

**SDS Revision History:** 12/01/14: New SDS  
04/29/15: Revised

03/01/2018 Revised

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