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## MATERIAL SAFETY DATA SHEET

# QNAP™ Treated Wood

Health Emergencies: CHEMTREC® (800) 424-9300

### SECTION 1 - PRODUCT & COMPANY INFORMATION

**MANUFACTURER:** Nisus Corporation  
100 Nisus Drive  
Rockford, TN 37853  
(800) 264-0870 (U.S.)

**COMMERCIAL PRODUCT TRADE NAME:** QNAP™ Treated Wood  
**DESCRIPTION:** Copper naphthenate CAS No. 1338-02-9

### SECTION 2 - INGREDIENTS INFORMATION

Copper Naphthenate

### SECTION 3 - HEALTH HAZARD INFORMATION

PLEASE NOTE THAT THIS INFORMATION IS BASED ON THE MATERIAL USED TO TREAT THE WOOD AND INCLUDES HAZARDS ASSOCIATED WITH WOOD DUST GENERATED FROM SAWING, SANDING, ROUTING OR CHIPPING. THESE HAZARDS ARE ESSENTIALLY THE SAME AS FOR UNTREATED WOOD.

#### Copper Naphthenate Treated Wood:

- Airborne wood dust can cause respiratory, eye and skin irritation.
- Breathing wood dust primarily from hardwood, has been associated with nasal cancer in some studies.
- High airborne dust levels can be an explosion hazard when exposed to an ignition source
- Use with adequate ventilation and/or respiratory protection.

Common Name	Chemical Name	CAS #	%	OSHA PEL	ACGIH TLV
Copper Naphthenate	Naphthenic Acid, cupric salt	1338-02-9	0.05-4.0	N/E	1.0 mg/m <sup>3</sup>
Petroleum Hydrocarbon	Fuel Oil	68476-30-2	0.01-20	N/E	N/E
Natural Wood Fiber	Wood, Natural (all species)	N/A	16-80	5.0 mg/m <sup>3</sup>	5.0 mg/m <sup>3</sup>

Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 (40 CFR 372) requires that certain toxic chemicals be identified. Any such chemicals contained in this product are listed in Section II and are identified by an asterisk (\*). OSHA's Hazard Communication (Standard 29CFR 1910.1200) requires hazardous chemicals to be listed and the MSDS to identify the hazards associated with the product. This information must be included in all MSDS's that are copied and distributed for this product.

\*as copper dust/mists only (as Cu)

#### HMIS HAZARD RATINGS:

Health Hazard: 1

Fire Hazard: 1

Reactivity: 0

Protection: B (glasses and gloves)

### SECTION 4 - EMERGENCY AND FIRST AID PROCEDURES

#### PRIMARY ROUTES OF ENTRY: Eyes, ingestion, inhalation, skin

**EYES:** IMMEDIATELY with plenty of water for at least 15 minutes holding eyelids apart to ensure flushing of the entire eye surface. Seek medical attention if irritation persists.

**INGESTION:** NEVER induce vomiting or give anything by mouth to an unconscious person. Keep airway clear. Drink promptly large quantities of milk or water and induce vomiting by touching the back of the throat with your finger. Repeat until vomit is clear. Seek medical attention IMMEDIATELY.

**INHALATION:** Persons administering first aid to overexposure victims should carefully wash off any visible product from the victim's face. Do not give anything by mouth to an unconscious person. Remove victim to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, administer oxygen. Seek medical attention.

**SKIN CONTACT:** Brush or shake material off clothes and shoes in a well-ventilated area. Allow clothes to ventilate well before laundering. Do not leave contaminated clothes in a confined area such as automobiles, vans, motel rooms, etc. Wash with plenty of soap and water. Remove contaminated clothing and footwear. Wash clothing and decontaminate footwear before reuse. Rinse skin free of material to avoid abrasion before washing. Seek medical attention if irritation persists.

### SECTION 5 - FIRE & EXPLOSION DATA

**FLASH POINT:** >200°F TCC

**FLAMMABLE LIMITS IN AIR (LEL):** 40 grams /m<sup>3</sup> for wood dust

**SUITABLE FIRE FIGHTING EXTINGUISHING MEDIA:** Foam, carbon dioxide, water spray, dry chemical.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear MSHA/NIOSH-approved, self-contained breathing apparatus and full protective clothing. Cool exposed containers with water.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** Dust (powder) may form an explosive mixture in air.

### SECTION 6 - ACCIDENTAL RELEASE MEASURES

#### STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

**SMALL SPILL:** Not applicable.

**LARGE SPILL:** Not applicable.

**WASTE DISPOSAL METHODS:** Follow all applicable federal, state, and local regulations for disposal of a waste material. Treated wood should not be burned in open fires, stoves, fireplaces, or residential boilers because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial applications may be burned only in industrial incinerators or boilers in accordance with state and federal regulations.

### SECTION 7 - HANDLING AND STORAGE

Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear. Keep out of reach of children.

Wash thoroughly after skin contact and before eating, drinking, use of tobacco products, or using restrooms.

### SECTION 8 - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**VENTILATION REQUIREMENTS:** Ventilate via mechanical methods (general or local exhaust) to maintain exposure below TLV(s), if applicable. Good industrial hygiene practice dictates that indoor work areas should be isolated and provided with adequate local exhaust ventilation.

**RESPIRATORY:** None normally required if good ventilation is maintained. Use a MSHA/NIOSH approved dust high efficiency filter respirator when sawing or machining treated wood.

**EYE:** Safety glasses, goggles, or face shield. Do not wear contact lenses.

**GLOVES:** Wear industrial type gloves.

**OTHER PROTECTIVE EQUIPMENT:** None normally required. Use as necessary to prevent exposure.

**USE SITE PRECAUTIONS:** Do not use treated wood inside residences. Do not use treated wood for cutting boards or countertops. Do not use treated wood for construction of beehives that may come into contact with the honey.

### SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Greenish-blue/grey/light brown to natural color of wood.

**BOILING POINT (initial):** N/A

**DENSITY (Lbs./Ft<sup>3</sup>) (Water @20°C=62.4):** 24-52

**VAPOR PRESSURE (mm Hg):** N/A

**EVAPORATION RATE (nBuAC=1):** N/A

**SOLUBILITY IN WATER:** Insoluble

**VAPOR DENSITY (Air=1):** N/A

## SECTION 10 - STABILITY AND REACTIVITY

**STABILITY:** Stable.

**CONDITIONS TO AVOID:** None known.

**INCOMPATIBILITY:** Strong acids, open flame.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Thermal decomposition may release oxides of carbon, nitrogen, sulfur, and hydrogen chloride.

**CONDITIONS CONTRIBUTING TO HAZARDOUS**

**POLYMERIZATION:** Material is not known to polymerize.

## SECTION 11 - TOXICOLOGY

**EYES:** Can cause irritation, transient corneal injury, and blurred vision. Treated or untreated wood dust may cause mechanical irritation.

**INGESTION:** Acute Toxicity (Rat): LD<sub>50</sub> = Greater than 5000 mg/kg. Eating treated sawdust or wood may cause mouth, throat, and stomach irritation, nausea, vomiting, and diarrhea. Avoid using treated wood under circumstances where the preservatives may become a component of food or animal feed.

**INHALATION:** Breathing of dust from dried product or wood dust from sawing can cause irritation of nasal and respiratory passages, and can produce dryness of the nasal passages, dry cough, and headaches.

**SKIN:** May cause skin irritation or rash on prolonged or repeated contact with freshly treated wood. Wood dust(s), of certain species can elicit allergic contact dermatitis in sensitized individuals.

**CHRONIC HEALTH HAZARDS:** Wood dust(s), depending on the species, may cause allergic contact dermatitis with prolonged, repeated contact, and respiratory sensitization after prolonged exposure to elevated dust levels.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY**

**EXPOSURE:** Wood dust may aggravate preexisting respiratory conditions or allergies.

**LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN BY:**

None for product. See Section 16 regarding components.

**UNTREATED WOOD DUST OR SAWDUST:** Epidemiological studies have been reported on carcinogenic risks of employment in the furniture-making industry, the carpentry industry, and the lumber and sawmill industry. The International Agency on Research of Carcinogens (IARC) has reviewed these studies and reports that there is sufficient evidence that nasal carcinomas have been caused by employment in the furniture-making industry where the excess risk is associated with exposure to untreated wood dust or sawdust from softwood and hardwood species. The IARC concluded that epidemiological data are sufficient to make a direct linkage between wood dust exposure and a rare form of nasal cancer.

## SECTION 12 – ECOLOGICAL INFORMATION

This product is not believed to be dangerous to the environment with respect to mobility, persistence and degradability, bioaccumulative potential, aquatic toxicity and other data relating to ecotoxicity. Naturally breaks down in the environment.

## SECTION 13 – DISPOSAL CONSIDERATION

**WASTE DISPOSAL METHODS:** Follow all applicable Federal, State and local regulations for disposal of a waste material. Treated wood should not be burned in open fires, stoves, fireplaces or residential boilers because of toxic chemicals may be produced as a part of the smoke and ashes. Treated wood may only be burned only in industrial incinerators or boilers in accordance with State and Federal regulations.

## SECTION 14 – TRANSPORTATION INFORMATION

Shipping Information is not available for this product.

This product is classified for transportation purposes as follows:

IATA (air) – No

IMO (Water) – No

DOT (Land) - No

## SECTION 15 – REGULATORY INFORMATION

**DOT Hazard Classification:** Not Regulated

## SECTION 16 – OTHER INFORMATION

Seller warrants that this material conforms to its chemical description and is reasonably fit for the purposes stated on the label when used in accordance with directions under normal conditions of use and Buyer assumes the risk of any use contrary to such directions. **Seller makes no other express or implied warranty of Fitness or of Merchantability, and no agent of Seller is authorized to do so.** In no event shall Seller's liability for any breach of warranty exceed the purchase price of the material as to which a claim is made.

Buyers and users of this product are responsible for all loss of damage from use or handling of this product which results from conditions beyond the control of seller, including, but not limited to, incompatibility with other products unless otherwise expressly provided in the Directions for Use of this product, weather conditions, moisture conditions or other environmental conditions, and those conditions which are outside of the ranges that are generally recognized as being conducive to good industrial practice.



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