

Safety Data Sheet

Material Name: Copper Naphthenate Treated Wood

SDS ID: TC-CuNap01

Section 1 - IDENTIFICATION

Material Name: Copper Naphthenate Treated Wood

Recommended Use

Lumber, poles, timber

Restrictions on Use

None Known.

Manufacturer Information

Nisus Corporation
100 Nisus Drive
Rockford, TN 37853

Thomasson Company
1007 St. Francis Drive
Philadelphia, MS 39350
Phone: 601-656-6000

CHEMTREC®: 800-424-9300 (Intl. 703-527-3887)

Phone: (800) 264-0870

Fax: (865) 577-5825

Section 2 - HAZARDS IDENTIFICATION

Classification in accordance with 29 CFR 1910.1200

Combustible dust

Skin Corrosion / Irritation, Category 2

Eye Damage / Irritation, Category 2A

Respiratory sensitizer, Category 1

Skin sensitizer, Category 1

Carcinogenicity, Category 1A

Specific Target Organ Toxicity - Single Exposure, Category 3 (central nervous system and respiratory tract)

Specific Target Organ Toxicity - Repeated Exposure, Category 2 (kidneys, liver, and spleen)

GHS LABEL ELEMENTS

Symbol(s)



Signal Word

DANGER

Hazard Statement(s)

May form combustible dust concentrations in air

Causes skin irritation.

Causes serious eye irritation.

May cause allergy or asthma symptoms or breathing difficulties if inhaled

May cause an allergic skin reaction.

May cause cancer.

May cause drowsiness or dizziness.

May cause respiratory irritation.

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May cause damage to kidneys, liver, and spleen through prolonged or repeated exposure.

Precautionary Statement(s)

Prevention

Wash thoroughly after handling. Wear protective gloves and eye/face protection. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Do not breathe dust. Avoid release to the environment.

Response

IF EXPOSED OR CONCERNED: Get medical advice/attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or doctor/physician if you feel unwell. IF ON SKIN: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Storage

Store in a well-ventilated place. Store locked up.

Disposal

Dispose in accordance with all applicable regulations.

Hazard(s) Not Otherwise Classified

No information is available.

Section 3 - COMPOSITION / INFORMATION ON INGREDIENTS

CAS	Component	Percent
Not Available	Wood/Wood Dust	80-90
Not Available	Fuel Oil/Mineral Spirits	0.1-20
1338-02-9	Copper Naphthenate	0.05-4

Component Related Regulatory Information

This product may be regulated, have exposure limits or other information identified as the following: Wood dusts- hard wood, Wood dust, all soft and hard woods, Wood dusts (all other wood dusts), Wood dusts, birch, mahogany, teak, walnut, Mineral spirits (64475-85-0).

Other Information

The above values may vary slightly due to the variability of treatment and the natural variability of wood.

The above percentage ranges are in compliance with the Canadian Workplace Hazardous Information System (WHIMIS).

Section 4 - FIRST AID MEASURES

Description of Necessary Measures

Inhalation

If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing. If breathing is difficult, oxygen should be administered by qualified personnel. Get immediate medical attention.

Skin

Wash skin with soap and water for at least 15 minutes while removing contaminated clothing and shoes. DO NOT rub until skin is free of sawdust and preservative material. Get medical attention, if needed. If wood splinters are injected under skin, get medical attention immediately.

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Eyes

Flush eyes with plenty of water for at least 15 minutes. DO NOT rub eyes. Remove contact lenses, if present and easy to do. Continue rinsing. Then get immediate medical attention.

Ingestion

If swallowed, get medical attention. Rinse mouth. Do not give anything by mouth to an unconscious person.

Most Important Symptoms/Effects

Acute

Respiratory tract irritation, skin irritation, eye irritation, allergic reactions, central nervous system depression

Delayed

Allergic reactions, kidney damage, liver damage, spleen damage, cancer

Indication of Immediate Medical Attention and Special Treatment

For inhalation, consider oxygen.

* * *Section 5 - FIRE FIGHTING MEASURES* * *

Suitable Extinguishing Media

Regular foam carbon dioxide water spray regular dry chemical
Large fires: Use water spray, fog or regular foam.

Unsuitable Extinguishing Media

Do not use high-pressure water streams.

Specific Hazards Arising from the Chemical

Slight fire hazard. Dust/air mixtures may ignite or explode.

Hazardous Combustion Products

Combustion: oxides of carbon, oxides of nitrogen, oxides of sulfur, hydrogen chloride

Fire Fighting Measures

Avoid inhalation of material or combustion by-products. Stay upwind and keep out of low areas. Cool containers with water. Use extinguishing agents appropriate for surrounding fire.

Special Protective Equipment and Precautions for Firefighters

Wear full protective firefighting gear including self-contained breathing apparatus (SCBA) for protection against possible exposure.

* * *Section 6 - ACCIDENTAL RELEASE MEASURES* * *

Personal Precautions, Protective Equipment and Emergency Procedures

Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and Materials for Containment and Cleaning Up

Collect debris and used material in appropriate container for disposal. Powdered material may form explosive dust-air mixtures. Wet down area with water. Avoid generating dust. Sweep and scoop spilled material into clean, dedicated equipment. Clean up residue with a high-efficiency particulate filter vacuum.

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Section 7 - HANDLING AND STORAGE

Precautions for Safe Handling

Follow good hygienic and housekeeping practices. Clean-up areas where wood dust settles to avoid excessive accumulation of this combustible material. Minimize practices that generate airborne dust. When possible, conduct dust-generating activities outdoors to avoid indoor accumulations of airborne dust from treated wood. Avoid prolonged or repeated skin contact with this material. Do not breathe dust. To reduce sun sensitivity, a sun-blocking lotion (SPF15+) can also be applied. Wash thoroughly after handling. When handling treated wood, wear washable or disposable coveralls or long-sleeved shirt and long pants, chemical resistant gloves, and socks plus industrial grade safety boots with chemical resistant soles. Wear protective eye/face protection. In case of inadequate ventilation wear respiratory protection. Contaminated work clothing should not be allowed out of the workplace. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Use only outdoors or in a well-ventilated area. Treated wood is intended for exterior/outdoor uses only.

Conditions for Safe Storage, including any Incompatibilities

Store in accordance with all current regulations and standards. Store outdoors. Keep in a cool, dry place away from open flame.

Incompatibilities: strong acids

Section 8 - EXPOSURE CONTROLS / PERSONAL PROTECTION

Component Exposure Limits

Wood/Wood Dust (Not Available)

ACGIH: 1 mg/m³ TWA (inhalable fraction, related to Wood dusts (all other wood dusts))

NIOSH: 1 mg/m³ TWA (related to Wood dust, all soft and hard woods)

OSHA (vacated): 5 mg/m³ TWA (related to Wood dust, all soft and hard woods)

10 mg/m³ STEL (related to Wood dust, all soft and hard woods)

Mexico: 1 mg/m³ TWA LMPE-PPT (related to Wood dusts-hard wood)

Appropriate Engineering Controls

Provide local exhaust ventilation system. Ventilation equipment should be explosion-resistant if explosive concentrations of material are present. Ensure compliance with applicable exposure limits.

Individual Protection Measures, such as Personal Protective Equipment

Eyes/Face Protection

Wear safety glasses with side shields. Contact lenses should not be worn. Provide an emergency eye wash fountain and quick drench shower in the immediate work area.

Skin Protection

Wear appropriate chemical resistant clothing. Wear washable or disposable coveralls or long-sleeved shirt and long pants. Wear socks plus industrial grade safety boots with chemical resistant soles.

Glove Recommendations

Wear leather or other appropriate work gloves, if necessary for type of operation. Wear impervious gloves.

Respiratory Protection

If the applicable TLVs and/or PELs are exceeded, use canister or cartridge respirators, which are MSHA/NIOSH-approved, with high-efficiency particulate filters.

Section 9 - PHYSICAL AND CHEMICAL PROPERTIES

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Physical State:	Solid	Appearance:	green, blue, gray, light brown to natural, Solid wood.
Color:	green, blue, gray to natural	Physical Form:	Solid wood.
Odor:	Not Available	Odor Threshold:	Not available
pH:	Not applicable	Melting Point:	Not available
Boiling Point:	Not applicable	Flash Point:	>200 °C
Decomposition:	Not available	Evaporation Rate:	Not applicable
LEL:	40 grams/m3 for wood dust	Vapor Pressure:	Not applicable
Vapor Density (air = 1):	Not applicable	Density:	24-52 lb/ft3 (Water @20°C = 62.4)
Specific Gravity (water = 1):	Not available	Water Solubility:	Insoluble
Coeff. Water/Oil Dist:	Not available	Viscosity:	Not applicable
VOC:	Not applicable		

Other Property Information

No additional information is available.

* * *Section 10 - STABILITY AND REACTIVITY* * *

Reactivity

No reactivity hazard is expected.

Chemical Stability

Stable at normal temperatures and pressure.

Possibility of Hazardous Reactions

Will not polymerize.

Conditions to Avoid

Avoid heat, flames, sparks and other sources of ignition.

Incompatible Materials

Strong acids

Hazardous Decomposition

Combustion: oxides of carbon, oxides of nitrogen, oxides of sulfur, hydrogen chloride

* * *Section 11 - TOXICOLOGICAL INFORMATION* * *

Acute and Chronic Toxicity

Component Analysis - LD50/LC50

The components of this material have been reviewed in various sources and no selected endpoints have been identified.

Information on Likely Routes of Exposure

Inhalation

Irritation, allergic reactions, nausea, vomiting, dryness, loss of appetite, coughing, nosebleed, chest pain, difficulty breathing, drowsiness, headache, dilated pupils, visual disturbances, irregular heartbeat, liver damage, kidney damage, nasal/sinus cancer, headache

Ingestion

Irritation, nausea, vomiting, diarrhea, loss of appetite, difficulty breathing, irregular heartbeat, headache, drowsiness

Skin Contact

Irritation, allergic reactions, skin disorders, rash, difficulty breathing, irregular heartbeat, headache, visual disturbances, kidney damage

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Eye Contact

Irritation, sensitivity to sunlight, blurred vision, eye damage

Immediate Effects

Respiratory tract irritation, skin irritation, eye irritation, allergic reactions, central nervous system depression

Delayed Effects

Allergic reactions, kidney damage, liver damage, spleen damage, cancer

Medical Conditions Aggravated by Exposure

No data available.

Irritation/Corrosivity Data

Respiratory tract irritation, skin irritation, eye irritation

Respiratory Sensitization

Yes

Dermal Sensitization

Yes

Carcinogenicity

Known Human Carcinogen

Component Carcinogenicity

Wood/Wood Dust (Not Available)

ACGIH: A1 - Confirmed Human Carcinogen (related to Wood dusts-hard wood)

IARC: Monograph 100C [2012]; Monograph 62 [1995] (Group 1 (carcinogenic to humans), related to Wood dust, all soft and hard woods)

NTP: Known Human Carcinogen (related to Wood dust, all soft and hard woods)

Mutagenic Data

No data available for the mixture.

Reproductive Effects Data

No data available for the mixture.

Specific Target Organ Toxicity - Single Exposure

Respiratory system, central nervous system

Specific Target Organ Toxicity - Repeated Exposure

Kidneys, liver, spleen

Aspiration Hazard

Not expected to be an aspiration hazard.

* * *Section 12 - ECOLOGICAL INFORMATION* * *

Ecotoxicity

No data available for this product. Components of this product are hazardous to aquatic life. Very toxic to aquatic life with long lasting effects.

Component Analysis - Aquatic Toxicity

No LOLI ecotoxicity data are available for this product's components.

Fish Toxicity

COPPER NAPHTHENATE: 0.161 mg/L 96 hours LC50 Rainbow trout

Persistence and Degradability

No data available for the mixture.

Bioaccumulative Potential

No data available for the mixture.

Mobility

No data available for the mixture.

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Section 13 - DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose in accordance with all applicable regulations. Treated wood should not be burned in open fires or in stoves, fireplaces or residential boilers, because toxic chemicals may be produced as part of the smoke and ashes. Treated wood from commercial or industrial use (e.g., construction sites) may be burned only in commercial or industrial incinerators or boilers in accordance with state and federal regulations.

Waste Numbers

There are no applicable U.S. EPA listed waste codes (40 CFR 261 Subpart D) for this product.

Section 14 - TRANSPORT INFORMATION

US DOT Information

Not regulated.

TDG Information

Not regulated.

Section 15 - REGULATORY INFORMATION

Component Analysis

U.S. Federal Regulations

None of this product's components are listed under SARA Sections 302/304 (40 CFR 355 Appendix A), SARA Section 313 (40 CFR 372.65), CERCLA (40 CFR 302.4), TSCA 12(b), or require an OSHA process safety plan.

FIFRA Information

Component Analysis

This material has not been analyzed.

SARA 311/312 Hazardous Categories

Acute Health: Yes Chronic Health: Yes Fire: No Pressure: No Reactive: No

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	CA	MA	MN	NJ	PA
Wood/Wood Dust (¹related to: Wood dust, all soft and hard woods) (²related to: Wood dusts-hard wood)	Not Available	No	No	Yes¹	Yes¹	Yes²

The following statement(s) are provided under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65):

WARNING! This product contains a chemical known to the state of California to cause cancer.

Canada

WHMIS CLASSIFICATION: D2A, D2B.

Canadian WHMIS Ingredient Disclosure List (IDL)

Components of this material have been checked against the Canadian WHMIS Ingredients Disclosure List. The List is composed of chemicals which must be identified on MSDSs if they are included in products which fall under WHMIS criteria specified in the Controlled Products Regulations and present above the threshold limits listed on the IDL.

Copper Naphthenate (1338-02-9)

1 %

Component Analysis - Inventory

Component	CAS	US	CA
Copper Naphthenate	1338-02-9	Yes	DSL

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Section 16 - OTHER INFORMATION

NFPA Ratings: Health: 2_[BD1] **Fire:** 1 **Reactivity:** 0

Hazard Scale: 0 = Minimal 1 = Slight 2 = Moderate 3 = Serious 4 = Severe

Key / Legend

ACGIH - American Conference of Governmental Industrial Hygienists; BOD - Biochemical Oxygen Demand; C - Celsius; CA - Canada; CAS - Chemical Abstracts Service; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CFR = Code of Federal Regulations.; CPR - Controlled Products Regulations; DSL - Domestic Substances List; EPA - Environmental Protection Agency; F - Fahrenheit; IARC - International Agency for Research on Cancer; IDL - Ingredient Disclosure List; IDLH - Immediately Dangerous to Life and Health; Kow - Octanol/water partition coefficient; LEL - Lower Explosive Limit; LOLI - List Of Lists™ - ChemADVISOR's Regulatory Database; NFPA - National Fire Protection Agency; NIOSH - National Institute for Occupational Safety and Health; NJTSR - New Jersey Trade Secret Registry; NTP - National Toxicology Program; OSHA - Occupational Safety and Health Administration; RCRA - Resource Conservation and Recovery Act; RTECS - Registry of Toxic Effects of Chemical Substances®; SARA - Superfund Amendments and Reauthorization Act; STEL - Short-term Exposure Limit; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act; TWA - Time Weighted Average; UEL - Upper Explosive Limit; US - United States; WHMIS - Workplace Hazardous Materials Information System

Other Information

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. Read the Safety Data Sheet before handling product.

End of Sheet STE-015