

Osmose MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET: **COPPER NAPHTHENATE TREATED WOOD**

SECTION I

MSDS NUMBER:	199-osm
MSDS CODE:	OSM
MANUFACTURED BY:	Customers of Osmose, Inc.
DIVISION:	WPD
EPA REGISTRATION NUMBER:	N/A
EMERGENCY PHONE:	CHEMTREC: 1(800) 424-9300
OTHER CALLS:	770-233-4200
ADDRESS:	980 Ellicott Street, Buffalo, NY 14209
MSDS PREPARED BY:	Teri Muchow
DATE PREPARED:	January 21, 2004
DATE LAST REVISED:	N/A

ADDITIONAL INFORMATION

CHEMTREC'S EMERGENCY TELEPHONE NUMBER IS TO BE USED ONLY IN THE EVENT OF CHEMICAL EMERGENCIES INVOLVING A SPILL, LEAK, FIRE, EXPOSURE, OR ACCIDENT INVOLVING CHEMICALS.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

TRADE NAME: Copper Naphthenate Treated Wood	CAS	OSHA PEL	ACGIH TLV	OTHER	%
INGREDIENT NAME					
Copper Naphthenate	1338-02-9	Not Established	1.0 mg/M3 as Cu dust/mists	N/A	0.05 – 4.0
Petroleum Hydrocarbon	68476-30-2	Not Established	Not Established	N/A	0.01 – 20
Natural Wood Fiber	N/A	5.0 mg/m3	5.0 mg/m3	N/A	16 - 80

SECTION III - CHEMICAL CHARACTERISTICS

BOILING POINT	MELTING POINT	FREEZING POINT	SPECIFIC GRAVITY (H ₂ O = 1)	PERCENT VOLATILE BY VOLUME	THEORETICAL VOC CONTENT (PERCENT OF WEIGHT)
N/A	N/A	N/A	N/A	N/A	N/A
WEIGHT PER GALLON	pH:	VAPOR PRESSURE	VAPOR DENSITY	DENSITY	EVAPORATION RATE BASIS (N-BUAC) = 1
N/A	N/A	N/A	N/A	24 – 52 lbs/Ft3	N/A
SOLUBILITY IN WATER: Insoluble			REACTIVITY IN WATER: N/A		
APPEARANCE AND ODOR: Greenish-Blue/Grey/Light Brown to Natural Color of wood.					

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	METHOD	FLAMMABLE LIMITS IN AIR (%)	AUTOIGNITION TEMPERATURE		
> 200° F	TCC	LEL – 40 grams/m3 for wood dust	N/A		
NFPA CODES	HEALTH	1	HMIS CODES:	HEALTH	1
	FLAMMABILITY	1		FLAMMABILITY	1
	REACTIVITY	0		REACTIVITY	0
	OTHER	N/A		PROTECTION	B*
EXTINGUISHER MEDIA: Foam, carbon dioxide, water spray, dry chemical. *glasses & gloves					

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.

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SECTION V - REACTIVITY DATA

IS THIS CHEMICAL STABLE UNDER NORMAL CONDITIONS OF HANDLING/STORAGE (Y/N)? Yes

CONDITIONS TO AVOID (REGARDING STABILITY): None Known

INCOMPATIBILITY (MATERIALS TO AVOID): Strong Acids, open flame.

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

HAZARDOUS POLYMERIZATION POSSIBLE (Y/N)? No

CONDITIONS TO AVOID (REGARDING POLYMERIZATION): N/A

SECTION VI - HEALTH HAZARDS

ROUTES OF ENTRY: Primary routes of entry include eyes, skin and inhalation.

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE:

1. 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.
2. EYE CONTACT: Can cause irritation, transient corneal injury, and blurred vision. Treated or untreated wood dust may cause mechanical irritation.
3. SKIN CONTACT: 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.
4. INGESTION: Acute toxicity (Rat) is 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 preservative may become a component of food or animal feed.

CHRONIC OVEREXPOSURE: 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.

CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN?: COP-R-NAP WP and its components are not listed as carcinogens by ACGIH, NIOSH, or IARC. ACGIH, NIOSH and IARC classify wood dust as a human carcinogen or occupational carcinogen. This classification is based on an increased incidence of nasal and paranasal cancers in people exposed to wood dusts.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Wood dust may aggravate pre-existing respiratory conditions or allergies.



EMERGENCY AND FIRST AID PROCEDURES



EMERGENCY PHONE NUMBER OF MANUFACTURER: CHEMTREC 1(800) 424-9300

1. INHALATION: Persons administering first aid to overexposure victims should carefully wash off any visible product from the victims'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.
2. EYE CONTACT: Immediately flush eyes 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.
3. SKIN CONTACT: Brush or shake material off clothes and shoes in a well ventilated area. 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.
4. 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.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

SHIPPING DESCRIPTION: Not Regulated.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Observe good personal hygiene practices. Change protective gloves/clothing when signs of contamination appear.

OTHER PRECAUTIONS: Do not treat 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.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: N/A

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 may be burned only in industrial incinerators or boilers in accordance with State and Federal regulations.

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SECTION VIII - CONTROL MEASURES

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

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.



































PROTECTIVE GLOVES: Wear industrial type gloves.

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

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

WORK/HYGIENIC PRACTICES: Wash thoroughly after skin contact and before eating, drinking, use of tobacco products or using restrooms.

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS) PERSONAL PROTECTION INDEX

A 	H  +  +  + 
B  + 	I  +  + 
C  +  + 	J  +  +  + 
D  +  + 	K  +  +  + 
E  +  + 	X Ask your supervisor for guidance
F  +  +  + 	
G  +  + 	

N/A = Not Applicable

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