

Osmose MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET: TimberLife CF Wood Preserving Compound

SECTION I

MSDS NUMBER:	11-UTL
MSDS CODE:	UTL
SYNONYMS:	N/A
MANUFACTURED BY:	Osmose Utilities Services, Inc.
DIVISION:	N/A
EPA REGISTRATION NUMBER:	75341-5
EMERGENCY PHONE:	CHEMTREC: 1(800) 424-9300
OTHER CALLS:	(716) 882-5905
ADDRESS:	980 Ellicott Street, Buffalo, NY 14209
MSDS PREPARED BY:	Teri Muchow
DATE PREPARED:	August 1, 2003
DATE LAST REVISED:	October 7, 2003

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: TimberLife CF Wood Preserving Compound	CAS	OSHA PEL	ACGIH TLV	OTHER	%
INGREDIENT NAME					
Copper Naphthenate (8% Cu)	1338-02-9	1 mg/M ³ as Cu	1 mg/M ³ as Cu	N/A	20.00
Sodium Fluoride, Tech.	7681-49-4	2.5 mg/M ³ as F	2.5 mg/M ³ as F	RQ = 1000 pounds	44.40
Petroleum Distillates	68476-30-2	500 ppm	300 ppm	N/A	17.44

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	1.42	N/A	N/A
WEIGHT PER GALLON	pH:	VAPOR PRESSURE	VAPOR DENSITY	DENSITY	EVAPORATION RATE BASIS (N-BUAC) = 1
11.83 LB/gal	6.2 at 25°C	N/A	1.39 g/cc	N/A	N/A
SOLUBILITY IN WATER: N/A		REACTIVITY IN WATER: N/A			
APPEARANCE AND ODOR: Dark green thixotropic paste, faint naphthenic acid or faint organic solvent odor.					

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	METHOD	FLAMMABLE LIMITS IN AIR (%)		AUTOIGNITION TEMPERATURE
150°F	TCC	N/A		N/A
NFPA CODES	HEALTH	2	HMIS CODES:	HEALTH
	FLAMMABILITY	2		FLAMMABILITY
	REACTIVITY	0		REACTIVITY
	OTHER	N/A		PROTECTION
EXTINGUISHER MEDIA:	CO ₂ , Dry chemical, water fog, foam			

SPECIAL FIRE FIGHTING PROCEDURES: Toxic vapors given off during combustion. Use proper protection equipment such as a self-contained breathing apparatus. Sealed containers of product should be cooled with water to avoid potential explosion.

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UNUSUAL FIRE AND EXPLOSION HAZARDS: Vapors are heavier than air and will travel along the ground and may be potentially ignited by independent heat or ignition source located distant from the material. Unopened containers may explode if heat from an independent fuel source, such as a fire, is not controlled. See Sec. IX.

SECTION V - REACTIVITY DATA

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

CONDITIONS TO AVOID (REGARDING STABILITY): Extremely high temperatures.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acid and oxidizers.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen fluoride, CO, CO₂, CU fumes, sulfur fumes.

HAZARDOUS POLYMERIZATION POSSIBLE (Y/N)? N

CONDITIONS TO AVOID (REGARDING POLYMERIZATION): N/A

SECTION VI - HEALTH HAZARDS

ROUTES OF ENTRY: Eyes, skin, inhalation.

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: Eye - Test results indicate that Cop-R-Plastic is moderately irritating for the unwashed eye and mildly irritating for the washed eye. Eye irritation may result from contact with mists, liquid or vapors. Skin - test results indicate that this material is moderately irritating to skin. Moderate irritation leading to dermatitis may result from prolonged or repeated exposures. No significant systematic effects from absorption are expected under conditions of anticipated use. A skin sensitization study indicates that this product is not a skin sensitizer. Inhalation - due to the physical characteristics of this product, it was not possible to conduct an acute inhalation study. Data on the components used in the formulation of this material provide evidence that vapors or mist may irritate the nose, throat, and lungs and cause signs and symptoms of central nervous system depression.

CHRONIC OVEREXPOSURE: Prolonged or repeated exposure may result in dermatitis.

CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN?:

- NATIONAL TOXICOLOGY PROGRAM (Y/N): N
- IARC MONOGRAPHS (Y/N): N
- OSHA (Y/N): N

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Unknown - treat as copper and petroleum poisoning

TOXICITY DATA

Acute Oral LD50:	492 mg/kg
Dermal LD50:	> 2,000 mg/kg
Primary Eye Irritation:	moderately irritating to unwashed eye
Dermal Irritation:	moderately irritating
Skin Sensitization:	NOT a skin sensitizer

EMERGENCY AND FIRST AID PROCEDURES

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



1. INHALATION: Move victim to fresh air. If breathing is difficult, administer oxygen. If breathing has stopped, give artificial respiration. Keep victim warm and quiet. Get medical attention.
2. EYE CONTACT: Flush with large amounts of water. Get medical attention.
3. SKIN CONTACT: Thoroughly wash the exposed area with soap and water.
4. INGESTION: DO NOT INDUCE VOMITING! Aspiration of product into lungs may cause chemical pneumonitis. Keep victim warm and quiet. Get medical attention immediately.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

USDOT SHIPPING DESCRIPTION: Not Regulated

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in dry area. Do not store near open flames. Empty drums may present explosive hazards. Do not store or use near heat or open flames, such as welding or cutting torches.

OTHER PRECAUTIONS: Read and follow label instructions.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Remove all sources of ignition and contain spill as soon as possible. Recover as much product as possible for reuse. Absorbents compatible with petroleum may be used to soak up spill. Do not allow spill material or residue to reach water. Major spills need to be reported to the National Response Center.

WASTE DISPOSAL METHODS: See label; Do not contaminate water (product is toxic to fish). Bury in approved landfill. Dispose in accordance with Federal, State and local laws.

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SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Normally not needed. If TLV of any component is exceeded, a NIOSH/MSHA self-contained breathing apparatus with full face piece operated in the pressure demand or other positive pressure modes is advised. Contact industrial hygienist.

VENTILATION REQUIREMENTS: Yes

LOCAL EXHAUST: Normally sufficient

MECHANICAL: In enclosed spaces.

PROTECTIVE GLOVES: PVA, PVC or neoprene or other chemically resistant gloves.
EYE PROTECTION: Safety glasses with side protection required.

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OTHER PROTECTIVE CLOTHING OR EQUIPMENT: As necessary

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: As necessary to avoid skin contact. **WORK/HYGIENIC PRACTICES:** Wash hands before eating, smoking, or after work. Lay out

WORK/HYGIENIC PRACTICES: Wash hands before eating, smoking, or after work. Launder clothing before reuse.

SECTION IX - REGULATORY INFORMATION

CALIFORNIA PROPOSITION 65: This material may contain the following chemicals which are known to the State of California to cause cancer or birth defects and are subject to the requirements of California Proposition 65:

Benzene (71-43-2) Cancer
Toluene (108-88-3) Birth Defects

SARA/TITLE III ;SECTION 312 - HAZARD CATEGORIES:

Immediate (Acute) Health: Yes **Reactive Hazard:** No
Delayed (Chronic) Health: No **Sudden Release of Pressure:** No
Fire Hazard: Yes

SECTION 302:

SEL
N/A

N/A

Sodium fluoride has a reportable quantity of 1000 pounds

SECTION 311 & 312:

Report if inventory exceeds 10,000 pounds on any given day.

Report on Inventories

This product contains COPPER NAPHTHENATE, A COPPER COMPOUND, which is subject to the reporting requirements of Section 313 of Title III of the Superfund Amendments Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

N/A = Not Applicable

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