



# MATERIAL SAFETY DATA SHEET

## MATERIAL SAFETY DATA SHEET: OSMOPLASTIC WOOD PRESERVING COMPOUND

### SECTION I

|                          |  |
|--------------------------|--|
| MSDS NUMBER:             | 68-SfkPb                               |
| MSDS CODE:               | Sf                                     |
| SYNONYMS:                | N/A                                    |
| MANUFACTURED FOR:        | Osmose Wood Preserving, Inc.           |
| DIVISION:                | Utilities Division                     |
| EPA REGISTRATION NUMBER: | 3008-68                                |
| VENDOR:                  | N/A                                    |
| 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:           | March 28, 1991                         |
| DATE LAST REVISED:       | June 11, 1996                          |

### ★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: Osmoplastic Wood Preserving Compound | CAS        | OSHA PEL                     | ACGIH TLV                    | OTHER            | %     |
|--|------------|------------------------------|------------------------------|------------------|-------|
| INGREDIENT NAME                                  |            |                              |                              |                  |       |
| Sodium Fluoride                                  | 7681-49-4  | 25 mg/M <sup>3</sup> as F    | 25 mg/M <sup>3</sup> as F    | RQ = 1000 pounds | 44.42 |
| Creosote Oil                                     | 8001-58-9  | 0.2 mg/M <sup>3</sup> (CTPV) | 0.2 mg/M <sup>3</sup> (CTPV) | RQ = 1 pound     | 45.62 |
| Sodium Dichromate                                | 10558-01-9 | 0.1 mg/M <sup>3</sup> as Cr  | 0.1 mg/M <sup>3</sup> as Cr* | RQ = 10 pound    | 3.20  |

\* Ceiling Concentration Limit

### SECTION III - CHEMICAL CHARACTERISTICS

| BOILING POINT                      | MELTING POINT            | FREEZING POINT              | SPECIFIC GRAVITY (H <sub>2</sub> O = 1) | PERCENT VOLATILE BY VOLUME | THEORETICAL VOC CONTENT (PERCENT OF WEIGHT) |
|------------------------------------|--------------------------|-----------------------------|---|----------------------------|---|
| 500°F                              | N/A                      | N/A                         | 1.41                                    | 25%                        | N/A   |
| WEIGHT PER GALLON<br>11.75 lbs/gal | pH:<br>N/A               | VAPOR PRESSURE<br>.25 mm Hg | VAPOR DENSITY<br>N/A                    | DENSITY<br>N/A             | EVAPORATION RATE BASIS (N-BUAC) = 1<br>0.1  |
| SOLUBILITY IN WATER: 50%           | REACTIVITY IN WATER: N/A |                             |   |                            |   |
| APPEARANCE AND ODOR:               | Black Mastic - Phenolic. |                             |   |                            |   |

### SECTION IV - FIRE AND EXPLOSION HAZARD DATA

|                     |                                      |                             |                          |            |   |
|---------------------|--------------------------------------|-----------------------------|--------------------------|------------|---|
| FLASH POINT         | METHOD                               | FLAMMABLE LIMITS IN AIR (%) | AUTOIGNITION TEMPERATURE |            |   |
| 155°F               | TCC                                  | N/A                         | N/A                      |            |   |
|                     |                                      |                             |                          |            |   |
| NFPA CODES          | HEALTH                               | 3                           | HMIS CODES:              |            |   |
|                     | FLAMMABILITY                         | 0                           | HEALTH                   | 3          |   |
|                     | REACTIVITY                           | 1                           | FLAMMABILITY             | 0          |   |
|                     | OTHER                                | N/A                         | REACTIVITY               | 1          |   |
| EXTINGUISHER MEDIA: | Foam, CO <sub>2</sub> , Dry Chemical |                             |                          | PROTECTION | B |

SPECIAL FIRE FIGHTING PROCEDURES: Toxic fume given off in fire. Wear full protective equipment with self-contained air unit.  
UNUSUAL FIRE AND EXPLOSION HAZARDS: N/A

**MATERIAL SAFETY DATA SHEET****SECTION V - REACTIVITY DATA**

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

CONDITIONS TO AVOID (REGARDING STABILITY): N/A

INCOMPATIBILITY (MATERIALS TO AVOID): N/A

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal: CO, CO<sub>2</sub> and organic chlorides may be released at temperatures greater than 280° F.

HAZARDOUS POLYMERIZATION POSSIBLE (Y/N)? N

CONDITIONS TO AVOID (REGARDING POLYMERIZATION): N/A

**SECTION VI - HEALTH HAZARDS**

ROUTES OF ENTRY: Skin, eyes and inhalation.

SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: Skin - moderate skin irritant which is reversible. If product is promptly removed the subject should not experience skin irritation. Eyes - moderate eye irritant which is reversible. If the contaminant is promptly irrigated from the eye, the subject should not experience irritation. Inhalation - this is an unlikely exposure. Effects are respiratory difficulty, nausea and salivation.

CHRONIC OVEREXPOSURE: Avoid prolonged and repeated dermal contact.

CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN?:

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

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Pre-existing respiratory disease including asthma and emphysema.

**TOXICITY DATA**

|                        |                                     |
|------------------------|-------------------------------------|
| Acute Oral LD50        | 1,100 mg/kg                         |
| Dermal LD50            | > 2,000 mg/kg                       |
| Primary Eye Irritation | severely irritating to unwashed eye |
| Dermal Irritation      | Severe skin irritant (PDII was 5.1) |
| Skin Sensitization     | NOT a skin sensitizer               |

**EMERGENCY AND FIRST AID PROCEDURES**

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

1. INHALATION: Remove to fresh air. Apply respiration if indicated. Call a physician immediately.
2. EYE CONTACT: Flush eyes with plenty of water. Call a physician immediately.
3. SKIN CONTACT: Remove contaminated clothing and wash affected area with soap and water. Get medical attention.
4. INGESTION: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching the back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

**SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE**

HAZARD CLASS: 9

U.S. DOT ID: Environmentally Hazardous Substances, Solid

UNNA NUMBER: 3077

PACKAGING GROUP: III

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Use good personal hygiene. Wash hands before smoking or eating and after work. Do not store near open flames. Store in tightly closed containers.

OTHER PRECAUTIONS: Read and follow label instructions.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Scoop up with shovel and place in a metal container. If only minor contamination with dirt or other foreign matter, recovered product may be reused.

WASTE DISPOSAL METHODS: Used or dirty pails or cartons should be punctured and/or disposed of in an approved dump site or buried in a sanitary waste landfill. Do not give pails away for other uses or leave in any area not designated for dumping. Dispose in accordance with Federal, State and local laws.

**SECTION VIII - CONTROL MEASURES**

RESPIRATORY PROTECTION: Normally not needed (outdoor use).

VENTILATION REQUIREMENTS: None under normal use of product.

PROTECTIVE GLOVES: Polyvinyl acetate (PVA), polyvinyl chloride (PVC) or neoprene.

EYE PROTECTION: Chemical goggles recommended.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: As necessary to avoid skin contact.

WORKHYGIENIC PRACTICES: Launder contaminated clothing before reuse. Use good personal hygiene. Wash hands before eating or smoking.

**MATERIAL SAFETY DATA SHEET****SECTION IX - REGULATORY INFORMATION:****SARA/TITLE III: SECTION 312 - HAZARD CATEGORIES:**

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

**SECTION 302:**

N/A

**SECTION 304:**

Creosote has a reportable quantity of 1 pound, potassium bichromate has a reportable quantity of 10 pounds.



































**SECTION 311 & 312:**

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

**SECTION 313:**

This mixture contains CREOSOTE and POTASSIUM BICHROMATE, chemicals subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR Part 372.

**HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS)  
PERSONAL PROTECTION INDEX**

|  |   |
|--|---|
| <b>A</b>    | <b>H</b>  +  +  +      |
| <b>B</b>  +    | <b>I</b>  +  +    |
| <b>C</b>  +  +    | <b>J</b>  +  +  +      |
| <b>D</b>  +  +   | <b>K</b>  +  +  +  |
| <b>E</b>  +  +    | <b>X</b> Ask your supervisor for guidance   |
| <b>F</b>  +  +  +  |   |
| <b>G</b>  +  +    |   |

N/A = Not Applicable

**NOTICE:** The information herein is given in good faith but no warranty, expressed or implied, is made, and Osmose Wood Preserving, Inc. expressly disclaims liability from reliance on such information.

Information on this form is furnished for the purpose of compliance with the Occupational Safety and Health Act of 1970 and shall not be used for any other purpose. Use or dissemination of all or any part of this information for any other purpose may result in a violation of law or constitute grounds for legal action.