Osmose MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET: **POLE WRAP**

SECTION I

MSDS NUMBER:	42-UTL
MSDS CODE:	UTL
SYNONYMS:	Patox II
MANUFACTURED BY:	Osmose Utilities Services, Inc.
DIVISION:	N/A
EPA REGISTRATION NUMBER:	75341-4
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:	February 6, 2003
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: Pole Wrap					
INGREDIENT NAME	CAS	OSHA PEL	ACGIH TLV	OTHER	%
Sodium Fluoride	7681-49-4	2.5 mg/M^3 as F	2.5 mg/M^3 as F	RQ = 1000 pounds	70.6

SECTION III - CHEMICAL CHARACTERISTICS

BOILING POINT	MELTING POINT	FREEZING POINT	SPECIFIC GRAVITY (H_20 = 1)	PERCENT VOLATILE BY VOLUME	THEORETICAL VOC CONTENT (PERCENT OF WEIGHT)
N/A	1818°F	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	Not Available	N/A

SOLUBILITY IN WATER: 4.4% at 75°F	REACTIVITY IN WATER: N/A
APPEARANCE AND ODOR: Gray bandage, odorless.	

SECTION IV - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT	METHOD	FLAMMABLE LIMITS IN AIR (%)	AUTOIGNITION TEMPERATURE
N/A	N/A	N/A	N/A

NFPA CODES	HEALTH	1	***HMIS CODES:***	HEALTH	1
	FLAMMABILITY	0		FLAMMABILITY	0
	REACTIVITY	0		REACTIVITY	0
	OTHER	N/A		PROTECTION	B

EXTINGUISHER MEDIA: Water fog, foam, CO_2, dry chemical.

SPECIAL FIRE FIGHTING PROCEDURES: Toxic vapors given off in fire. Wear full protective clothing and self-contained breathing apparatus.
UNUSUAL FIRE AND EXPLOSION HAZARDS: May burn, but does not ignite readily.

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): Acids
HAZARDOUS DECOMPOSITION PRODUCTS: Toxic fumes of F^- and Na_2O
HAZARDOUS POLYMERIZATION POSSIBLE (Y/N)? N
CONDITIONS TO AVOID (REGARDING POLYMERIZATION): N/A

SECTION VI - HEALTH HAZARDS

ROUTES OF ENTRY: Skin.
SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: May be fatal if swallowed. Possible skin irritation. Contact with eye will cause irritation. Due to physical nature of this product, oral, eye and inhalation exposure unlikely.
CHRONIC OVEREXPOSURE: N/A
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: N/A

TOXICITY DATA

Dermal LD50	> 2000 mg/Kg
Eye Irritation	Moderately Irritating
Skin Irritation	Non-irritant
Skin Sensitization	NOT a skin sensitizer

EMERGENCY AND FIRST AID PROCEDURES

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

1. INHALATION: Remove victim 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.
4. INGESTION: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger. Do not induce vomiting on or give anything to an unconscious person.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

USDOT SHIPPING DESCRIPTION: Sodium fluoride, solid, 6.1, UN1690, III

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store in dry area. Do not store near open flames. Use good personal hygiene. Applicators must not eat, drink, or use tobacco products during those parts of the application process that may expose them to the wood treatment formulation.
OTHER PRECAUTIONS: Read and follow label instructions.
STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: N/A - Due to physical nature of product.
WASTE DISPOSAL METHODS: Bury in approved landfill. Dispose in accordance with all Federal, State and local laws.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Normally not necessary due to physical nature of product.
VENTILATION REQUIREMENTS: Local exhaust is sufficient.
PROTECTIVE GLOVES: Rubber
EYE PROTECTION: Wear protective eyewear (goggles, face shield or safety glasses).
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: N/A
WORK/HYGIENIC PRACTICES: Follow good work practices. Wash hands before eating, smoking or using tobacco products. Remove contaminated clothing and wash clothing before reuse.

SECTION IX - REGULATORY INFORMATION:

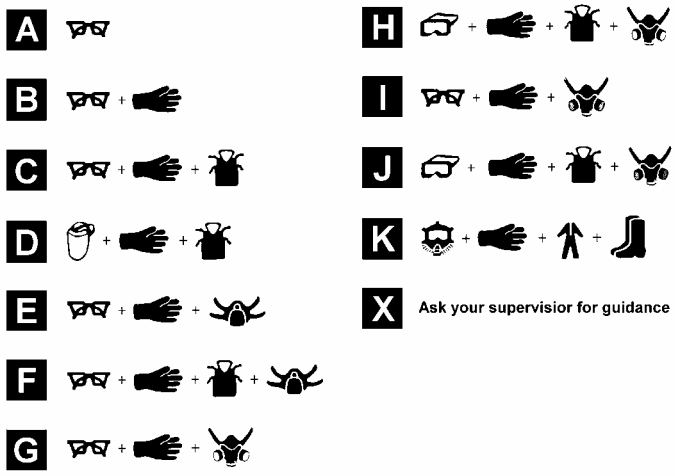
STATE OF CALIFORNIA PROPOSITION 65:
WARNING - This product contains chemicals known to the State of California to cause cancer.

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: No

SECTION 302:
N/A
SECTION 304:
Sodium fluoride has a reportable quantity of 1,000 pounds.
SECTION 311 & 312:
Report if inventory equals or exceeds 10,000 pounds on any given day.

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS)
PERSONAL PROTECTION INDEX



N/A = Not Applicable

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