Osmose MATERIAL SAFETY DATA SHEET

MATERIAL SAFETY DATA SHEET: **Pole Wrap™ CB**

SECTION I

MSDS NUMBER:	65-UTL
MSDS CODE:	OSM
SYNONYMS:	N/A
MANUFACTURED FOR:	Osmose Utilities Services, Inc.
EPA REGISTRATION NUMBER:	75341-17
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 22, 2013
DATE LAST REVISED:	N/a

**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.*

HAZARD SUMMARY

CAUTION

Eyes - May cause eye irritation.
Skin - May be harmful if absorbed through the skin.
Ingestion - May be harmful if swallowed.

SECTION II - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

TRADE NAME: Pole Wrap CB INGREDIENT NAME	CAS	OSHA PEL	ACGIH TLV	OTHER	%
Boric Acid	10043-35-3	10 mg/m3 (total dust)	5 mg/m3	N/A	35.87
Copper Carbonate	12069-69-1	1 mg/m^3 Copper dusts & mists as Cu	1 mg/m^3 Copper dusts & mists as Cu	N/A	3.47
Plasticizers	Proprietary	N/A	N/A	N/A	30 – 35
Resin	Proprietary	N/A	N/A	N/A	20 – 25
Carbon Black	1333-86-4	3.5 mg/m3	3.5 mg/m3	N/A	0.2

SECTION III - CHEMICAL CHARACTERISTICS

BOILING POINT	MELTING POINT	FREEZING POINT	SPECIFIC GRAVITY (H_20 = 1)	THEORETICAL VOC CONTENT (PERCENT OF WEIGHT)	
N/A	N/A	N/A	N/A	Not Determined	
WEIGHT PER GALLON	pH:	VAPOR PRESSURE	VAPOR DENSITY	DENSITY	EVAPORATION RATE BASIS (N-BUAC) = 1
N/A	N/A	N/A	N/A	1.131 g/cm3	Not Determined
PERCENT VOLATILE (BY WEIGHT)	VISCOSITY (mm^2/s)	SOLUBILITY IN WATER	REACTIVITY IN WATER	APPEARANCE & ODOR	
Not Determined	N/A	N/A	N/A	Black opaque solid, mild odor.	

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: Foam, carbon dioxide, water spray, and dry chemical.

* Always follow PPE requirements on product label.

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus to protect against potentially toxic and irritating fumes from combustion/decomposition products. Cool fire-exposed containers with water spray.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None known.

SECTION V - REACTIVITY DATA

IS THIS CHEMICAL STABLE UNDER NORMAL CONDITIONS OF HANDLING/STORAGE (Y/N)? Y
CONDITIONS TO AVOID (REGARDING STABILITY): None known.
INCOMPATIBILITY (MATERIALS TO AVOID): Strong reducing agents such as metal hydrides or alkali metals; Strong oxidizers such as chromium trioxide, potassium chlorate or potassium permanganate.
HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition may produce CO, CO2, oxides of nitrogen and other potentially toxic gases.
HAZARDOUS POLYMERIZATION POSSIBLE (Y/N)? N
CONDITIONS TO AVOID (REGARDING POLYMERIZATION): N/A

SECTION VI - HEALTH HAZARDS

ROUTES OF ENTRY: Skin contact and eye contact.
SIGNS AND SYMPTOMS OF ACUTE OVEREXPOSURE: Harmful is swallowed or absorbed through skin. Causes moderate eye irritation. Ingestion may cause gastrointestinal symptoms, including nausea, vomiting and diarrhea.
CHRONIC OVEREXPOSURE: None known.
CHEMICAL LISTED AS A CARCINOGEN OR POTENTIAL CARCINOGEN?:

- NATIONAL TOXICOLOGY PROGRAM (Y/N): N
- IARC MONOGRAPHS (Y/N): Product contains 0.2% carbon black, IARC listed Group 2B.
- OSHA (Y/N): N

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None known
ACUTE AND CHRONIC TOXICITY:

- Acute Oral LD50: > 2,000 mg/kg
- Acute Dermal LD50: > 2,000 mg/kg
- Eye Effects: Mildly irritating to eye.
- Skin Effects: Slightly irritating to skin.
- Dermal Sensitization (Guinea pig): Not a Sensitizer

EMERGENCY AND FIRST AID PROCEDURES

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

If on skin or clothing	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice
If swallowed	Call poison control center or doctor immediately for treatment advice. Have a person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
If in eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.
If inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth to mouth, if possible. Call a poison control center or doctor for further treatment advice.
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

NOTES TO PHYSICIAN: No specific antidote is available. Treat poisoning victims symptomatically.

SECTION VII - PRECAUTIONS FOR SAFE HANDLING AND USE

US SHIPPING DESCRIPTION: Not Regulated

IMDG SHIPPING DESCRIPTION: UN3077, Environmentally hazardous substance, solid, n.o.s. (Copper Carbonate), 9, III, Marine Pollutant

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Wash thoroughly after handling. Store away from food and beverages.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Not applicable due to the physical characteristics of the product.
WASTE DISPOSAL METHODS: Follow container label instructions for disposal of wastes generated during use in compliance with the FIFRA product label.
CONTAINER DISPOSAL: Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Dispose of empty bag in a sanitary landfill or by incineration, or, if allowed by State and Local authorities, by burning. If burned, stay out of smoke.

SECTION VIII - CONTROL MEASURES

RESPIRATORY PROTECTION: Respirator should not be necessary under normal use conditions.
VENTILATION REQUIREMENTS: Use local and general exhaust ventilation in order to control levels of exposure to this product.
PROTECTIVE GLOVES: Chemical-resistant gloves (such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, vitro)
EYE PROTECTION: Safety glasses with side shields, chemical safety goggles or face shield.
OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Protective clothing as necessary in order to prevent any skin contact with this product. Educate and train employees on the safe use and handling of this product.
WORK/HYGIENIC PRACTICES: As with all chemicals, avoid getting the product on you or in you. Wash hands after handling this product. Do not eat, drink, smoke, or apply cosmetics while handling this product. Employees should wash their hands and face before eating, drinking, or using tobacco products.

NOTE: For additional control measures, refer to the label and MSDSs of all products used in conjunction with this product. If the use of another product requires a higher level of protective equipment, then the PPE requirements of that product should be followed.

SECTION IX - REGULATORY INFORMATION:

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:
N/A

SECTION 311 & 312:
Storage of this product in excess of threshold levels will subject you to reporting under Section 311 and 312 of SARA. Under Section 311 you are required to submit material safety data sheets to your Local Emergency Planning Committee (LEPC), your State Emergency Response Commission (SERC) and your local fire department. Under Section 312 you are required to submit a Tier I or II Inventory Form to your LEPC, SERC and local fire department by March 1st of each year.

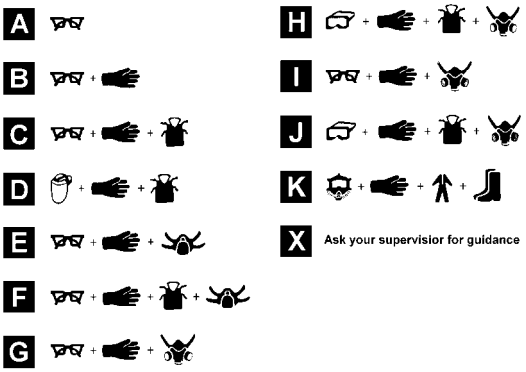
SECTION 313:
The following listed ingredients in this product are SARA 313 listed toxic chemicals and are subject to Toxics Release Inventory reporting:

Copper Carbonate, CAS #12069-69-1 (Copper Compound Category)

CALIFORNIA PROPOSITION 65 – Carbon black (airborne, unbound particles of respirable size) is on the list of chemicals known to the State of California to cause cancer for the purposes of the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65). The listing only pertains to airborne, unbound carbon black particles of respirable size. "…for the purposes of Proposition 65, carbon black particles 10 µm or less shall be considered respirable. Exposure to carbon black, per se, does not occur when it remains bound within a product matrix, such as rubber, ink or paint."[1]

[1] Office of Environmental Health Hazard Assessment, California Environmental Protection Agency, *CHEMICAL LISTED EFFECTIVE February 21, 2003 AS KNOWN TO THE STATE OF CALIFORNIA TO CAUSE CANCER*, February 21, 2003.

HAZARDOUS MATERIALS INFORMATION SYSTEM (HMIS)
PERSONAL PROTECTION INDEX



N/A = Not Applicable

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