

MATERIAL SAFETY DATA SHEET

Prepared by: Department of Safety & Environment
Revision Date: February 1,2010

This document is prepared pursuant to the OSHA Hazard Communication Standard (29 CFR 1910.1200). Where a proprietary ingredient is shown, the identity may be made available as provided in this standard.

All components of this product are included in the EPA Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

1. **PRODUCT NAME:** EMBE TERRAZZO SEALER

Chemical Family: Acrylic resin, glycol acetate, petroleum solvent and filler mixture.

2. HAZARDOUS INGREDIENTS:	CASNO	TLV	EXPOSURE LIMITS*		
			STEL	PEL	CONTENT
Xylene	1330-20-7	100ppm	150ppm	100ppm	45-60%
Propylene Glycol Monomethyl Ether Acetate (PMA)	108-65-6	None	None	None	10-25%
Ethyl Benzene	100-41-4	100ppm	125ppm	100ppm	5-15%
*) Refer to Section 7 for available LD/LC(50) Health Hazard Data.					

3. **PHYSICAL DATA:**

Boiling Point (°C): (X)	138	Water/Oil Distribution
Percent Volatile:	< 90	Coefficient: N/Av
Freezing Point (°C)	N/Av	Solubility in Water: Slt
Vapor Pressure mmHg @25(°C): (X)	9 mm Hg	Specific Gravity: 0.90
Vapor Density:	> Air	pH: N/Av
Odor Threshold:	N/Av	Evaporation Rate: N/Av
Appearance:	Clear Liquid	Odor: Aromatic
N/Av = Not Available N/Av = Not Available		

4. **FIRE AND EXPLOSION HAZARD DATA:** HMIS Hazard Rating No. 3 (Serious)

Flash Point: 27°C (80°F) Method: Pensky Martin C.C.

Auto-Ignition Temp.: 528°C (Xylene)

Limited of Flammability: LEL: 1.0% (Xylene) UEL: 7.0% (Xylene)

Extinguishing Media: Carbon dioxide, foam, dry chemical & water fog.

Special Fire & Unusual Hazards: At higher temperature vapors can cause pressure build up in sealed containers. Vapors heavier than air can concerate, travel to

source of ignitions, and flash back. Residue in container can ignite explosively. Electrical grounding because of the size of containers is not recommended.

5. **REACTIVITY DATA:** HMIS Hazard Rating No. 0 (Minimal)

Stability: Stable. Not sensitive to mechanical impact.

Incompatibility: Strong acids, strong bases, peroxides and alkalies, Avoid sources of ignition.

Hazardous Decomposition Products: Oxides of carbon and nitrogen; various unknown hydrocarbons from incomplete combustion.

Hazardous Polymerization: Will not occur when handled per instructions.

6. **ENVIRONMENTAL AND DISPOSAL INFORMATION:**

Action to Take For Spills/Leaks: Ventilate area, eliminate all sources of ignition. Wear appropriate protective gear, contain leak or spill, salvage, clean up residue with absorbent material.

Waste Disposal Method: Handle disposal of waste material in manner which complies with local, state, province and federal regulation. Landfill if solidified or incineration at agency approved waste-disposal facilities.

7. **HEALTH HAZARD DATA:** HMIS Hazard Rating No. 2 (Moderate)

PRIMARY ROUTE OF ENTRY: Inhalation, Dermal, Eyes

Effect of Overexposure

Inhalation: Vapors can be irritating to nose and mucous membranes. High xylene exposures may result in narcotic effect, headaches and possible asphyxiation.

LC(50) Inhal. CASRN 1330-20-7 5000 ppm/4Hrs Rat.

Eyes: Contact can cause severe irritation, redness, tearing and blurred vision.

Skin Contact: Prolonged or repeated exposure may cause skin irritation, redness and even skin damage.

Skin Absorption: Low dermal toxicity.

LD(50) Dermal CASRN 100-41-4 17.8 gm/kg Rabbit.

Ingestion: Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea, headache, and drowsiness.

LD(50) Oral CASRN 100-41-4 3500 mg/kg Rat.
108-65-6 10 gm/kg Rat.
1330-20-7 4300 mg/kg Rat.

Chronic: Product does not contain carcinogenic materials as defined by OSHA Hazardous Communications Act 1910.1200. Materials are not known mutagenic, teratogenic, or reproductive health hazards.

Long-term exposure to high concentrations of vapors may result in central nervous system depression. Xylene overexposure to laboratory animals has resulted in liver and kidney damage.

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8.

FIRST AID:

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen. If breathing has stopped administer artificial respiration, preferably mouth-to-mouth. Seek medical attention.

Eyes: Flush eyes with water, lifting upper and lower lids occasionally for 15 minutes. Seek medical attention.

Skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists seek medical attention. Wash clothing before reuse.

Ingestion: Do NOT induce vomiting; give large quantities of water; get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquids into lungs. Do not give anything by mouth to an unconscious person.

9. **SPECIAL PROTECTION INFORMATION:**

Ventilation: Ventilation is recommended. Air movement must be designed to insure turnover at all locations in work area to avoid build up of heavy vapors.

Personal Protection Equipment: Do NOT wear contact lenses when working with this material. Use chemical goggles/safety glasses with side shields and Rubber/Latex gloves. Selection of specific items such as boots and apron will depend on operation. Wear respirator protection whenever airborne concentrations exceed TLV ceilings or TWA, use NIOSH/OSHA approved respirators equipped with an organic vapor cartridge for listed hazard.

Confined spaces, rooms, or tanks are areas where concern for TLV's is especially important. Reference OSHA Regulation CFR 29 1910.134 for recommended respiratory protection.

10. **ADDITIONAL INFORMATION:**

Average Shelf Life: Refer to Product Data Sheet.

Special Instructions: Store in cool, dry place.

REGULATORY INFORMATION:

Title III Section 302: CASRN 100-41-4 RQ: 1000 lbs.
1330-20-7 1000 lbs.

Title III Section 311/312: Health hazard: Immediate
Delayed
Physical hazard: Fire

REGULATORY INFORMATION: (Cont'd)

Title III Section 313: CASRN 100-41-4 15%
1330-20-7 60 %

WHMIS Classification: Class B, Div 2
Class D, Div 2, sub B

TRANSPORTATION

National Motor Freight Classification (NMFC): 33980 Sub: - Class: 55
Description: CONCRETE SURFACE CURING COMPOUNDS

Emergency Response Guide Page No.: 0

DOT Reportable Quantity: 0

DOT

Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
UNNO: UN 1993 TDGCD: 3 Package Group: III
Contains: XYLENE
Label: FLAMMABLE Sub-Label: NONE

INTERNATIONAL

Shipping Name: FLAMMABLE LIQUIDS, N.O.S.
UNNO: UN 1993 TDGCD: 8 Package Group: III
Contains: XYLENE
Label: FLAMMABLE Sub-Label: NONE

Marine Pollutant: NL

(NL = Not Listed; P = Moderate; PP = Severe; ND = Not Determined)

The information herein is given in good faith. No warranty, expressed or implied, is given regarding the accuracy of these data or the results obtained from the use thereof. Consult Technical Barrier Systems Inc. for further information.