

# Material Safety Data Sheet

Product Name: Terroxy Resin Systems – WB Urethane Sealer

## Section 1: Manufacturer Identification

Manufacturer's Name: Terrazzo & Marble Supply Companies  
Address: 5700 South Hamilton Avenue, Chicago Illinois, 60636 USA  
Emergency Number: 800-424-9300 Date Printed: 03/2011  
Information Number: 773-471-0700 Preparer: W. Gallinaitis

## Section 2: Hazardous Ingredients

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA), Hazard Communication Standard (29 CFR 1910.1200), and the Canadian Workplace Hazard Materials Information System (WHMIS). Unlisted ingredients are not considered "hazardous" per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical Name	CAS#	OSHA PEL *	ACGIH TLV *	WT %
Water	7732-18-5	None	None	40-60
Urethane-Acrylic Hybrid Polymers (Non Hazardous)	Proprietary	NE	NE	20-30
Glycol Ether*	112-34-5	35ppm	35ppm	1-5
M-Methyl Pyrolidone*	872-50-4	100ppm recommended	100ppm recommended	1-5
Acrylic Monomers	-	NE	NE	<0.1
Triethylamine	121-44-8	10ppm	10ppm	<1.0

- NE-Not Established
- ALL ingredients are registered on TSCA
- Unless otherwise noted, all PEC and TLV values are reported as 8 hour time weighted averages (TWA)

## Section 3: Health and Hazard Data

### Health Risks and Symptoms of Exposure:

**Inhalation:** Exposure to vapors at elevated temperatures may cause irritation to respiratory tract and difficulty breathing.

**Eyes:** May cause irritation to the eyes.

**Skin:** A single exposure to the skin is unlikely to result in harm. Prolonged or repeated contact may cause mild irritation.

**Skin Absorption:** Repeated exposure to the skin can cause slight skin irritation.

**Ingestion:** Oral toxicity is low. No hazards expected from normal industrial exposure. May cause nausea or abdominal discomfort.

### Health Hazards (Acute and Chronic):

#### Carcinogenicity:

NTP Carcinogen: NO IRAC Monographs: NO OSHA Regulated: No

Medical Conditions Generally Aggravated by Exposure: Allergy, Eczema, or skin conditions

### Emergency and First AID Procedures:

**Eyes:** Flush at once with potable water for at least 15 minutes.

**Skin:** Wash with soap and warm water. Remove contaminated clothes. Wash before reuse.

**Ingestion:** Not likely to occur in normal handling. If occurs, give large quantities of water and get medical attention.

**Inhalation:** Remove to fresh air. If breathing is affected, get medical attention.

## Section 4: Control Measures

HMIS Rating:	Health-2	Flammability-1	Reactivity-0
Respiratory Protection:	Avoid Breathing vapor mist or spray		
Ventilation:	Use with good ventilation		
Protective Gloves:	Wear impervious gloves		
Eye Protection:	Wear splash-proof chemical goggles		
Other Protective Equipment	Provide eye fountain and safety shower		
Work/Hygienic Practices:	Practice good industrial hygiene. Wash with soap and water before eating, smoking, or using the restroom.		

## Section 5: Precautions For Safe Handling and Use

**Steps To Be Taken In Case Material Is Released Or Spilled:** Keep spectators away. Floor may be slippery; use care to avoid falling. Contain spills immediately with inert materials (e.g. sand, earth). Transfer liquids and solid diking material to separate suitable containers for recovery or disposal. **CAUTION:** Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

**Waste Disposal Method:** Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove clear supernatant and flush to a chemical sewer. Incinerate liquid and contaminated solids in accordance with local, state, and federal regulations.

**Precautions To Be Taken In Handling And Storing:** Keep from freezing; material may coagulate. The minimum recommended storing temperature for this material is 34° F. The maximum recommended storage temperature for this material is 120° F. Monomer vapors can be evolved when material is heated during processing operations. See Section 8 for appropriate control measures. Keep containers closed when not in use. Store in cool, dry place with adequate ventilation.

**Other Precautions:** Appropriate protective equipment must be worn when handling a spill of this material. See the personal protective measures section for recommendations. If exposed to material during cleanup operations, see Section 3 for actions to follow.

## Section 6: Physical/Chemical Characteristics

Boiling Range	100° C/212° F Water
Vapor Density	Heavier than air
Vapor Pressure	17mm HG 20° C/68° F Water
PH	7-9
Solubility In Water	Dilutable
Appearance And Odor	Milky White Liquid, Mild Acrylic Odor
Specific Gravity (H2O=1)	1.0-1.1
% Volatile By Weight	70-80%
VOC	145.1 g/l

## Section 7: Fire and Explosion Hazard Data

Flash Point:	Non-Combustible
Flammable Limits in Air	
By Volume-Lower:	Not Applicable
By Volume-Upper:	Not Applicable
Extinguishing Media:	Use extinguishing media appropriate for surrounding fire
OSHA Flammability Class:	NA
Special Fire Fighting Procedures:	Use cold water spray to cool fire exposed containers Use self contained breathing equipment
Unusual Fire and Explosion Hazards:	Material can splatter above 100° C/212° F. Dried product burns.

## Section 8: Reactivity Data

Stability	Stable
Conditions to Avoid:	Avoid temperatures above 177° C/350° F, the onset of polymer decomposition, thermal decomposition is dependent on time and temperature.
Incompatibility (Materials to Avoid)	There are no known materials which are incompatible with this product.
Hazardous Decomposition:	Thermal decomposition may yield acrylic monomers.
Hazardous Polymerization	This product will not undergo polymerization.

## Section 9: Regulatory Information

SARA Title III Section 313: Unless shown below, this product does not contain the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right To Know Act of 1986 and 40 CFR 372.

CAS#	Chemical Name	Percent Weight
112-34-5	Glycol Ether	<5.0%
872-50-4	N-Methyl Pyrolidone	<5.0%
121-44-8	Triethylamine	<1.0%

Prop 65 (Carcinogen): Unless shown below, this product does not contain the chemicals known to the state of California to cause cancer.

CAS#	Chemical Name	Percent by Weight
	None	

Prop 65 (Teratogenic): Unless shown below, this product does not contain the chemicals known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name	Percent by Weight
	None	

Prop 65 (Carcinogen & Teratogenic): Unless shown below, this product does not contain the chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

CAS#	Chemical Name	Percent by Weight
872-50-4	N-Methyl-2-Pyrolidone	<5.0%

Hazardous Waste Information: Unless shown below, this product is not a hazardous waste according to the definitions found in CFR-40.

State of Michigan Critical Materials: Unless shown below, this product does not contain ingredients appearing on the State of Michigan Critical Materials List.

CAS#	Chemical Name	Percent by Weight
	None	

Department of Transportation

Proper Shipping Name:	Resin Compound, Liquid
Hazard Class:	Not Regulated
UN/NA ID Number:	None

## Section 10: Disclaimer

Data and recommendations presented herein are based upon ours and other researchers and are believed to be accurate. The products discussed are without warranty (expressed or implied) and the customer shall make his own determination of suitability for his particular purpose.