

# Material Safety Data Sheet

Revision Date: 03/2011

Print Date: 03/2011

## Section 1: Product and Company Identification

Product Name: Terroxy® Resin Systems — Terrazzo Matrix, Part A

Product Use Description: Resin Compound

Company: Terrazzo & Marble Supply Companies  
77 South Wheeling Road  
Wheeling, Illinois 60090

Telephone: 847.353.8000

Emergency Telephone Number: 800.424.9300 USA  
01.703.527.3887 International

## Section 2: Composition / Information on 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 “hazardous” per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical Name	CAS #	OSHA PEL*	ACGIH TLV*	WT%
Epoxy Resin	25068-38-6	N/E	N/E	40-60
Calcium Carbonate	1317-65-3	5mg/m <sup>3</sup> Respirable Dust 15mg/m <sup>3</sup> Total Dust	2mg/m <sup>3</sup> Respirable Dust	20-40
Glycidyl Ether	68609-97-2	N/E	N/E	3-8
Titanium Dioxide	13463-67-7	10mg/m <sup>3</sup> Total Dust	10mg/m <sup>3</sup> Total Dust	0-5
Methyl Ester	67784-80-9	N/E	N/E	4-8
Silicon Dioxide, Amorphous, Fumed	112945-52-5	N/E	N/E	1-5
Crystalline Silica	14808-60-7	0.1mg/m <sup>3</sup> Respirable Dust	0.05mg/m <sup>3</sup> Respirable Dust	.01-.5

■ N/E — Not Established

■ ALL ingredients are registered on TSCA

■ \*Unless otherwise noted, all PEL and TLV Values are reported as 8 hour time weighted averages (TWA)

The exposure limits shown here for pigments are for dust exposure. They are not known to be hazardous after blended into a liquid. Wet sanding or sufficient dry-vacuuming is suggested to eliminate airborne dust, if product is machined or ground. The only other exposure limits established for ingredients of this product apply to nuisance dusts from inert fillers. These fillers are blended into a liquid and pose no hazard as supplied.

Substances listed are present in concentration of 1% or greater, or 0.1% if cited as a potential Carcinogen in the OSHA Hazards Communication Standard. Where proprietary ingredient is listed, the identity is available as provided in 29 CFR 1910.1200.

## Section 3: Hazards Identification

Emergency Overview: Moderate eye irritant.  
Causes skin irritation. May cause allergic skin reaction.  
Harmful if swallowed.  
Cancer hazard.

### Section 3: Hazards Identification (continued)

**HMIS RATING:** HEALTH=2, FLAMMABILITY=1, REACTIVITY=0  
See SECTION 8: EXPOSURE CONTROLS/PERSONAL PRTECTION for personal protective equipment recommendations.

#### Potential Health Effects

**Eye contact :** Can cause moderate irritation, tearing and reddening, but not likely to permanently injure eye tissue.  
**Skin contact :** Can cause moderate skin irritation. Inhalation of dusts produced during cutting, grinding or sanding of this product may cause irritation of the respiratory tract.  
**Inhalation :** Can cause minor respiratory irritation. Inhalation of dusts during cutting, grinding or sanding of this product may cause irritation of the respiratory tract. Overexposure to crystalline silica may cause silicosis. This product contains one or more materials that may be hazardous when present as an airborne dust. During normal handling of the product, the material is encapsulated within the product and will not present an exposure risk. Once the product has reached its final stage and is abraded and disturbed, dusting and exposure may occur.  
**Ingestion :** Ingestion is not an anticipated route of exposure. harmful if swallowed. Irritating to mouth, throat, and stomach.  
**Chronic Health Hazard :** Target Organs: Skin, Eyes  
**Regulated Carcinogen Status:** Unless noted below, this product does not contain regulated levels of NTP, IARC, ACGIH, or OSHA listed carcinogens.  
 Crystalline Silica

Aggravated Medical Conditions: Skin disease including eczema and sensitization; Lung disease

### Section 4: First Aid Measures

**General advice:** Seek medical advice. If breathing has stopped or is labored, give assisted respirations. Supplemental oxygen may be indicated. If the heart has stopped, trained personnel should begin cardiopulmonary resuscitation immediately.  
**Eye contact :** Flush eyes with plenty of water for at least 20 minutes retracting eyelids often. Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention.  
**Skin contact :** Wash with soap and water. Remove contaminated clothing and laundry. Get immediate medical attention if irritation develops or persists.  
**Ingestion :** Do not induce vomiting. Seek medical attention immediately. Drink two glasses of water or milk to dilute. do not give anything by mouth to an unconscious person. Induced vomiting may lead to aspiration of material into the lungs potentially causing chemical pneumonitis that may be fatal.  
**Inhalation :** Move to fresh air. Call a physician if symptoms persist.

### Section 5: Fire Fighting Measures

**Flash Point :** 216°F (102°C)  
**Autoignition Temperature :** Not Established  
**Lower Explosive Limit (% in air) :** Not Established  
**Upper Explosive Limit (% in air) :** Not Established  
**Extinguishing Media :** Use water spray, foam, dry chemical or carbon dioxide  
**Unusual Fire & Explosion Hazards :** Material will burn in a fire.  
**Special Fire Fighting Instructions :** Persons exposed to products of combustion should wear self-containing breathing apparatus and full protective equipment.  
**Hazardous Combustion Products :** Carbon dioxide, Carbon monoxide

### Section 6: Accidental Release Measures

**Special Protection:** Exposure to the spilled material may be irritating or harmful. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Additional precautions may be necessary based on special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred.  
**Clean-up:** Dike if necessary, contain material with inert absorbent and transfer to containers for disposal. Keep spilled product out of sewers, watersheds, or water systems.

Transport Emergency Phone Number: (CHEMTREC) 1-800-424-9300

## Section 7: Handling and Storage

**Handling:** Harmful or irritation material. Avoid contacting and avoid breathing the material. Use only in a well ventilated area.

**Storage:** Store in a cool dry place.

## Section 8: Exposure Controls / Personal Protection

**Engineering Measures:** Provide readily accessible eye wash stations and safety showers. Provide natural or mechanical ventilation adequate to ensure concentrations are kept below exposure limits.

### Personal Protective Equipment:

**Respiratory Protection:** Not required for properly ventilated areas.  
If vapor or mist is generated and the occupational exposure limit is exceeded, use appropriate NIOSH/MSHA approved self contained breathing equipment or a full face respirator. Respirators should be selected by and used following requirements found in OSHA's respirator standards (29 CFR 1910.134).

**Ventilation:** Mechanical ventilation required if TLV is expected to be exceeded in confined areas.

**Hand Protection:** Nitrile rubber gloves.

**Eye Protection:** Wear safety glasses with side shields when handling this product. Wear additional eye protection such as chemical splash goggles and/or face shield when the possibility exists for eye contact with splashing or spraying liquid, or airborne material. Have an eye wash station available.

**Skin and Body Protection:** Avoid skin contact by wearing chemically resistant gloves and long sleeved shirt. An apron may be appropriate if splashing can occur.

Exposure Limits:

Chemical Name	ACGIH Exposure limit	AIHA WEEL
Epoxy Resin	Not Established	Not Established
Calcium Carbonate	TWA 10MG/M3	Not Established
Titanium Dioxide	TWA 10MG/M3	Not Established
Crystalline Silica	TWA (Respirable Dust) 0.05 MG/M3	Not Established

## Section 9: Physical and Chemical Properties

**Physical State:** Liquid

**Color:** White/Custom color varies

**Odor:** Sweet Mild

**Odor Threshold:** Not established

**Weight Per Gallon:** 11.49 lbs.

**Specific Gravity:** 1.38

**Solids (% by weight):** 100.00

**V.O.C.** 0 g/L

**pH:** Not Established

**Boiling point/Range:** Not Established

**Vapor pressure:** Not Established

**Vapor density:** Not Established

**Evaporator Rate:** Not Established

**Octanol/Water Coefficient:** Not Established

**Freezing/Melting Point:** Not Established

## Section 10: Physical and Chemical Properties

Stability : Stable under normal conditions.  
 Chemical Incompatibility: Not established.  
 Hazardous Polymerization: Will not occur.  
 Hazardous Decomposition Products: Carbon monoxide, carbon dioxide (CO<sub>2</sub>).

## Section 11: Toxicological Information

Chemical Name	LD50 / LC50
Epoxy Resin	Not Established
Calcium Carbonate	Oral LD50 Rat-6450 mg/kg
Titanium Dioxide	Not Established
Crystalline Silica	Not Established

Toxicology Summary : No additional health information available.

## Section 12: Ecological Information

Overview: *No ecological information available.*

## Section 13: Disposal Considerations

To the best of our knowledge, this product does not meet the definition of hazardous waste under the U.S. EPA Hazardous Waste Regulations 40 CFR 261. Disposal via incineration at an approved facility is recommended. Consult state, local or provincial authorities for more restrictive requirements.

## Section 14: Transport Information

Consult Bill of Lading for transportation information

DOT: Not Regulated

IATA: Not Regulated

## Section 15: Regulatory Information

OSHA Hazard Communication Standard (29 CFR 1910.1200) Hazard Class(es) Corrosive, Sensitizer.

Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	Included on Inventory
Canada	DSL	Included on Inventory
Australia	AICS	Included on Inventory
Japan	ENCS	Included on Inventory
South Korea	ECL	Included on Inventory
China	SEPA	Included on Inventory
Philippines	PICCS	Included on Inventory

This product may contain substances that are regulated for export by various government agencies (such as the Environmental Protection Agency, the Bureau of Industry and Security, or the Drug Enforcement Administration, among others).

#### Federal Reporting

##### EPA SARA Title III Section 313

Unless listed below, this product does not contain toxic chemical(s) subject to the reporting requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR part 372. EPA has advised that when a percentage range is listed the midpoint may be used to fulfill reporting obligations.

**WHMIS STATUS:** Unless listed below, This product is not controlled under the Canadian Workplace Hazardous Materials Information System.

D2B D2A

#### STATE REPORTING

##### Proposition 65, The Safe Drinking Water and Toxic Enforcement Act of 1986:

Unless listed below, this product does not contain known levels of any chemical known to the State of California to cause cancer or reproductive harm.

Chemical Name	CAS #	Percent
Quartz (Carcinogen)	1408-60-7	0.1-1
Epichlorohydrin (Carcinogen)	TWA 10MG/M3	Not Established
Nickel (metallic)(Carcinogen)	TWA 10MG/M3	Not Established
Epichlorohydrin (Male Reproductive Toxin)		Not Established

## Section 16: Other Information

#### HMIS Rating

Health:	2
Flammability:	1
Reactivity:	0
Physical hazard :	C

This Material Safety Data Sheet, is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standards (29 CFR 1910.1200) and the Canadian Workplace Hazardous Materials Information System (WHMIS).

Prepared by Terrazzo & Marble Supply Companies.

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