

Section 1: Product and Company Identification

Product Name: Terroxy[®] Resin Systems — Terrazzo Urethane Concrete Topcoat, Part A

Product Use Description: Resin Compound, Epoxy Resin Systems

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

Telephone: 847.353.8000
Emergency Telephone: 800.424.9300 - USA
01.703.527.3887 - International

Section 2: Hazards Identification

Classification of the mixture: Skin irritation – Category 2
Skin sensitization – Category 1
Eye irritation – Category 2
Respiratory tract irritation – Category 3

Classification according to Regulation (EC) No 1272/2008

GHS Label elements:

Hazard Pictogram:



Signal Word: Warning

Hazard Statements: H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary Statements: P261 Avoid breathing mist/vapors/spray
P264 Wash hands and skin contact areas thoroughly after handling
P272 Contaminated work clothing should not be allowed out of the workplace
P273 Avoid release to the environment
P280 Wear protective gloves/eye/face protection
P302, P352 IF ON SKIN: Wash with plenty of soap and water
P305, P351, P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing
P333, P313 If skin irritation or rash occurs: Get medical advice/attention
P337, P313 If eye irritation persists: Get medical advice/attention
P362 Take off contaminated clothing and wash before reuse
P391 Collect spillage
P501 Dispose of content/container through a waste management company authorized by the local government

Other hazards not classified: None Known

Section 3: Composition / Information on Ingredients

This product is a mixture.

| Component | CAS# | Amount |
|------------------------------|------------|------------|
| Talc | 14807-96-6 | 3.2-4% |
| Hydrous Magnesium Silicate | | |
| Barium Sulfate | 7727-43-7 | 15.6-19.3% |
| Microcrystalle Amor. Silica | 14808-60-7 | 3.2-4.0% |
| Lampblack | 1333-86-4 | 0.1-0.2% |
| Epoxy Resin | 25068-99-8 | 44.8-55.6% |
| Alkyl C12-C14 Glycidyl Ether | 68609-97-2 | 1.2-2.0% |
| Glycidyl Ether | 2210-79-9 | 4.7-5.9% |
| Glass | 65997-17-3 | 5.0-15.0% |

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.

N/E - Not Established
 ALL ingredients are registered on TSCA
 The remaining components are trade secret.

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 15 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 launder. 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:** Avoid contact with eyes. Avoid contact with skin and eyes. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.
- Storage:** Store in a cool dry place

Section 8: Exposure Controls / Personal Protection

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). Not required for properly ventilated areas.
- Ventilation:** Mechanical ventilation required if TLV is expected to be exceeded in confined areas.
- Hand Protection:** Recommend wearing disposable latex or nitrile gloves when mixing to protect against incidental contact. If continuous contact is expected, recommend butyl rubber gloves be worn.
- Eye Protection:** Wear safety glasses with side shields or safety goggles when handling this product. Additionally, wear a face shield when the possibility of splashing liquid exists. Do not wear contact lens. Have an eye wash station available.
- Skin and Body Protection:** Prevent contact with this product. Long sleeve shirts and trouser without cuffs and/or apron is recommended if splashing liquids exists. Other protective equipment may be needed depending on condition use.

Exposure Limit:

| Chemical Name | OSHA PEL | ACGIH TLV |
|---|-----------------------|--|
| Talc | 2.0 mg/m ³ | 2.0 mg/m ³ |
| Hydrous Magnesium Silicate Barium Sulfate | 15 mg/m ³ | 10 mg/m ³ |
| Microcrystalline Amor. Silica | 10mg/m ³ | 0.05 mg/m ³ - Respirable Dust |
| Lampblack | 3.5mg/m ³ | 3.5mg/m ³ |
| Epoxy Resin | Not Established | Not Established |
| Alkyl C12-C14 Glycidyl Ether | Not Established | Not Established |
| Glycidyl Ether | Not Established | Not Established |
| Glass | Not Established | Not Established |

*Unless otherwise noted, all PEL & TLV values are reported as 8 hour time 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-vacuuuming 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 9: Physical and Chemical Properties

| | |
|-----------------------------------|---------------------------|
| Physical State: | Liquid |
| Color: | Clear/Custom color varies |
| Odor: | Sweet Mild |
| Odor Threshold: | Not established |
| Weight Per Gallon: | 13.19 lbs. |
| Specific Gravity: | N/A |
| Solids (% by weight): | 100.00 |
| V.O.C. | 0.12 lbs/g |
| pH: | Not Established |
| Boiling point/Range: | 300°F (148°C) |
| Vapor pressure: | Not Established |
| Vapor density: | Heavier than air |
| Evaporator Rate: | Slower than butyl acetate |
| Octanol/Water Coefficient: | Not Established |
| Freezing/Melting Point: | Not Established |
| Flash Point : | 216°F (102°C) |

Section 10: Reactivity Data

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

Section 11: Toxicological Information

| Chemical Name | Toxicological Dataa |
|------------------------------|---|
| Microcrystalle Amor. Silica | LD50 >22,500 mg/kg Rat |
| Lampblack | LD50 >8 g/kg Rat - Oral |
| Epoxy Resin | LD50 11,400 mg/kg Rat LD50 20,000 mg/kg Rabbit |
| Alkyl C12-C14 Glycidyl Ether | LD50 >19,000 mg/kg Rat LD50 >4,500 mg/kg Rabbit |
| Glycidyl Ether | LC50 >1,000 ppm 4 hour Rat inhalation LD50 >5,500 mg/kg Rat - Oral LD50 >2,000 mg/kg Rabbit - Dermal LC50 1-10 mg/l Fish |

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

Super-fund 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.