Section 1: Product and Company Identification

**Product Name:** Terroxy® Resin Systems — Iso-Crack Epoxy Membrane, 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:**

![Warning 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.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS#</th>
<th>Amount</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Resin</td>
<td>25068-38-6</td>
<td>55.0 - 75.0%</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>1317-65-3</td>
<td>15.0 - 25.0%</td>
</tr>
<tr>
<td>Glycidyl Ether</td>
<td>68609-97-2</td>
<td>10.0 - 20.0%</td>
</tr>
<tr>
<td>Silicon Dioxide, Fumed</td>
<td>112945-52-5</td>
<td>0.5 - 1.5%</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>13463-67-7</td>
<td>0.0 - 4.0%</td>
</tr>
<tr>
<td>Crystalline Silica</td>
<td>14808-60-7</td>
<td>0.0 - 0.3%</td>
</tr>
</tbody>
</table>

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: Not Applicable
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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Resin</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>5mg/m³ - Respirable Dust</td>
<td>2mg/m³ - Respirable Dust</td>
</tr>
<tr>
<td></td>
<td>15mg/m³ - Total Dust</td>
<td></td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>10mg/m³ - Total Dust</td>
<td>10mg/m³ - Total Dust</td>
</tr>
<tr>
<td>Crystalline Silica</td>
<td>0.1mg/m³ - Respirable Dust</td>
<td>0.05mg/m³ - Respirable Dust</td>
</tr>
<tr>
<td>Silicon Dioxide, Fumed</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
<tr>
<td>Glycidyl Ether</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

*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-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 9: Physical and Chemical Properties

Physical State: Liquid
Color: Clear / Gray
Odor: Mild
Odor Threshold: Not established
Weight Per Gallon: 10.74 lbs.
Specific Gravity: 1.29
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: Heavier than air
Evaporator Rate: Slower than N-Butyl Acetate
Octanol/Water Coefficient: Not Established
Freezing/Melting Point: Not Established
Solubility In Water: Negligible

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 (CO2).

Section 11: Toxicological Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>LD50 / LC50</th>
</tr>
</thead>
<tbody>
<tr>
<td>Epoxy Resin</td>
<td>Not Established</td>
</tr>
<tr>
<td>Calcium Carbonate</td>
<td>Oral LD50 Rat-6450 mg/kg</td>
</tr>
<tr>
<td>Titanium Dioxide</td>
<td>Not Established</td>
</tr>
<tr>
<td>Crystalline Silica</td>
<td>Not Established</td>
</tr>
</tbody>
</table>

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


<table>
<thead>
<tr>
<th>Country</th>
<th>Regulatory List</th>
<th>Notification</th>
</tr>
</thead>
<tbody>
<tr>
<td>USA</td>
<td>TSCA</td>
<td>This product is in compliance with the Toxic Substances Control Act’s Inventory requirements.</td>
</tr>
<tr>
<td>EU</td>
<td>EINECS</td>
<td>This product is in compliance with the European Inventory of Notified and Existing Chemical Substances requirements.</td>
</tr>
<tr>
<td>Canada</td>
<td>DSL</td>
<td>This product is in compliance with the Canadian Domestic Substance List requirements.</td>
</tr>
<tr>
<td>Australia</td>
<td>AICS</td>
<td>This product is in compliance with the Australian Inventory of Chemical Substances requirements.</td>
</tr>
<tr>
<td>Japan</td>
<td>ENCS</td>
<td>Included on Inventory</td>
</tr>
<tr>
<td>South Korea</td>
<td>ECL</td>
<td>Included on Inventory</td>
</tr>
<tr>
<td>China</td>
<td>SEPA</td>
<td>Included on Inventory</td>
</tr>
<tr>
<td>Philippines</td>
<td>PICCS</td>
<td>Included on Inventory</td>
</tr>
</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quartz (Carcinogen)</td>
<td>1408-60-7</td>
<td>0.1-1</td>
</tr>
<tr>
<td>Carbon black (Carcinogen)</td>
<td>1333-86-4</td>
<td>0.01 - 0.1</td>
</tr>
<tr>
<td>Nickel (metallic)</td>
<td>7440-02-0</td>
<td>&lt;10ppm</td>
</tr>
<tr>
<td>Epichlorohydrin (Male Reproductive Toxin)</td>
<td>106-89-8</td>
<td>&lt;10ppm</td>
</tr>
</tbody>
</table>
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.