Section 1: Product and Company Identification

Product Name: Terroxy® Resin Systems — Urethane Concrete, Part B
Product Use Description: Curing Agent, Polyaspartic
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 sensitization – Category 1
- Eye irritation – Category 2A
- Respiratory sensitization – Category 1
- Acute Tox. – Category 4
- Specific Target Organ Toxicity, Single Exposure – Category 3

Classification according to Regulation (EC) No 1272/2008

GHS Label elements:

Hazard Pictogram: 

Signal Word: Danger

Hazard Statements:
- H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- H317 May cause an allergic skin reaction.
- H332 Harmful if inhaled
- H335 May cause respiratory irritation

Precautionary Statements:
- P260 Do not breathe dust/fume/gas/mist/vapors/spray
- P284 In case of inadequate ventilation wear respiratory protection
- P280 Wear protective gloves/protective clothing/eye protection/face protection
- P304+P340 If inhaled: remove victim to fresh air and keep at rest in a position comfortable for breathing
- P302+P352 If on skin: Wash with plenty of water
- P333+P313 If skin irritation or rash occurs: Get medical advice/attention
- P403+P233 Store in a well-ventilated place. Keep container tightly closed
- P501 Dispose of contents/container in accordance with local/regional/national/international regulations

Other hazards not classified:
- CAUTION! Contains Isocyanates. Harmful if inhaled. May cause skin, eye and respiratory tract irritation.
- Possible sensitizer. Reacts with water, alcohols, based and amines and releases large amounts of carbon dioxide gas.
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>Diphenylmethane-4,4-diisocyanate (MDI)</td>
<td>101-68-8</td>
<td>&gt;50.0%</td>
</tr>
<tr>
<td>P-MDI</td>
<td>9016-87-9</td>
<td>&gt;40.0%</td>
</tr>
</tbody>
</table>

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

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 4: First Aid Measures

General advice: Move out of dangerous area. Consult a physician. Show this safety data sheet to the doctor in attendance.

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 off with soap and plenty of water. Consult a physician.

Ingestion: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Inhalation: Move to fresh air. Get medical attention if effects persist.

Section 5: Fire Fighting Measures

Suitable extinguishing media: Alcohol-resistant foam
Carbon dioxide (CO2)
Dry chemical
Water Spray

Specific hazards: Hazards during fire-fighting: Nitrous gases, fumes/smoke, isocyanate, vapor

Special protective equipment for fire-fighters: Wear self-contained breathing apparatus for firefighting if necessary.

Further information: No data available
Section 6: Accidental Release Measures

Personal precautions: Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. Evacuate personnel to safe areas.

Environmental precautions: Construct a dike to prevent spreading.

Methods for cleaning up: Approach suspected leak areas with caution. Contact Terrazzo and Marble Response Center for advice. Place in appropriate chemical waste container.

Additional advice: If possible, stop flow of product. Avoid contact. Allow only personnel wearing goggles, neoprene or rubber gloves and protective clothing to clean up spill. In confined areas a full face respirator is recommended. Absorb spill with clay, diatomaceous earth or other absorbent materials. Place in disposal containers.

Section 7: Handling and Storage

Handling: General advice: Mix thoroughly before use. If bulging of drum occurs, transfer to well ventilated area, puncture to relieve pressure, open vent and let stand for 48 hours before resealing. Protection against fire and explosion: No explosion proofing necessary.

Storage: General advice: Formation of CO2 and build up of pressure possible. Keep container tightly closed and in a well-ventilated place. Outage of containers should be filled with dry inert gas at atmospheric pressure to avoid reaction with moisture. Suitable materials for containers: Carbon steel, High density polyethylene, low density polyethylene, stainless steel. Storage temperature: 50-95F, protect against moisture

Technical Measures /Precautions: Do not store in reactive metal containers.

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).

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 accidental 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>Diphenylmethane-4,4-diisocyanate (MDI)</td>
<td>0.02 ppm</td>
<td>0.005 ppm</td>
</tr>
<tr>
<td>P-MDI</td>
<td>Not Established</td>
<td>Not Established</td>
</tr>
</tbody>
</table>
Section 9: Physical and Chemical Properties

Form: Liquid
Color: Dark Brown
Odor: Faint Odor
Vapor pressure: 0.0001 mm Hg @25°C
Density: 10.2 lbs / US Gallon
Evaporator Rate: Not Established
pH: Not Established
Boiling point/Range: Not Established
Flash point: Not Established
Water solubility: Not soluble, reacts slowly with water to liberate CO2 gas.

Section 10: Reactivity Data

Stability: Stable under normal conditions.
Conditions to Avoid: Moisture, excessive heat
Materials to Avoid: Water, Strong bases, Strong oxidizing agents, Metals, Amines, Alcohols, Surface active materials

Hazardous Decomposition Products: Hydrogen cyanide, nitrogen oxides, aromatic isocyanates, gases/vapors.
Hazardous Polymerization: Will not occur.

Section 11: Toxicological Information

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Toxicological Dataa</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diphenylmethane-4,4-diisocyanate (MDI)</td>
<td>LD50 &gt;2,000mg/kg Rat</td>
</tr>
<tr>
<td></td>
<td>LC50 &gt;2 mg/m3 Rat</td>
</tr>
<tr>
<td></td>
<td>LD50 &gt;9,400 mg/kg Rat</td>
</tr>
</tbody>
</table>

Toxicology Summary:
- Carcinogenic categories: OSHA-Ca. Substance not listed
- Sensitization: May cause allergy or asthma symptoms or breathing difficulties if inhaled.
- Carcinogenicity: not considered to be a carcinogen
- Mutagenicity: not considered to be genotoxic
- Reproductive toxicity: not considered hazardous to the reproduction

Section 12: Ecological Information

Overview: No ecological information available.
Section 13: Disposal Considerations

Waste from residues / unused products:
Dispose in an approved incinerator or an approved landfill. Contact supplier if guidance is required.

Contaminated packaging:
Dispose of container and unused contents in accordance with federal, state, and local 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>Included on Inventory</td>
</tr>
<tr>
<td>EU</td>
<td>EINECS</td>
<td>Included on Inventory</td>
</tr>
<tr>
<td>Canada</td>
<td>DSL</td>
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<tr>
<td>Australia</td>
<td>AICS</td>
<td>Included on Inventory</td>
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<tr>
<td>Japan</td>
<td>ENCS</td>
<td>Included on Inventory</td>
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<tr>
<td>South Korea</td>
<td>ECL</td>
<td>Included on Inventory</td>
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<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>

EPA SARA Title III Section 312 (40 CFR 370) Hazard Classification:
Acute Health Hazard, Chronic Health Hazard

EPA SARA Title III Section 313 (40 CFR 372) Component(s) above ‘de minimus’ level:
None.

US. California Safe Drinking Water & Toxic Enforcement Act (Proposition 65):
This product does not contain any chemicals known to State of California to cause cancer, birth defects or any other harm.

WHMIS Hazard Classification:
Toxic Material Causing Other Toxic Effects
Section 16: Other Information

HMIS Rating

<table>
<thead>
<tr>
<th>Category</th>
<th>Rating</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health</td>
<td>2</td>
</tr>
<tr>
<td>Flammability</td>
<td>0</td>
</tr>
<tr>
<td>Reactivity</td>
<td>1</td>
</tr>
<tr>
<td>Physical hazard</td>
<td>C</td>
</tr>
</tbody>
</table>

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.