

Material Safety Data Sheet

Revision Date: 01/2008

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Section 1: Product and Company Identification

Product Name: Terroxy® Resin Systems — Primer, Part A

Product Use Description: Epoxy Flooring

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

Chemical Name	CAS #	OSHA PEL	ACGIH TLV	WT%
Epoxy Resin	25068-38-6	N/E	N/E	65-90
Nonylphenol	84852-15-3	N/E	N/E	5-15
Glycidyl Ether	68609-97-2	N/E	N/E	5-10
Benzyl Alcohol	100-51-6	N/E	N/E	5-10

- N/E — Not Established
- ALL ingredients are registered on TSCA

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: Corrosive to eye tissue.
Causes skin irritation. May cause allergic skin reaction.
Harmful if swallowed.
Moderate respiratory tract irritant.

HMIS RATING: HEALTH=3, FLAMMABILITY=1, REACTIVITY=0
See SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION for personal protective equipment recommendations.

Potential Health Effects

Eye contact : Corrosive to eye tissue. Can cause severe irritation, tearing and burns that can quickly lead to permanent injury including blindness.
Skin contact : Corrosive to skin tissue. Can cause chemical burns. May cause sensitization.
Inhalation : Can cause minor respiratory irritation.

Section 3: Hazards Identification (continued)

Ingestion :	Ingestion is not an anticipated route of exposure. Harmful if swallowed. Corrosive to tissue. Can cause severe and permanent damage to mouth, throat, and stomach. Aspiration may lead to lung damage.
Chronic Health Hazard :	Target Organs: No organs known to be damaged from exposure to this product.
Regulated Carcinogen Status:	Unless noted below, this product does not contain regulated levels of NTP, IARC,ACGIH, or OSHA listed carcinogens.

Aggravated Medical Conditions: No medical conditions affected by exposure.

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 :	Immediately flush eyes with plenty of water for at least 20 minutes retracting eyelids often. This corrosive material can cause immediate and permanent eye damage.Tilt the head to prevent chemical from transferring to the uncontaminated eye. Get immediate medical attention and monitor the eye daily as advised by your physician.
Skin contact :	Wash with soap and water under a drench shower. Remove contaminated clothing, launder immediately, and discard contaminated leather goods. Get immediate medical attention.
Ingestion :	Corrosive. Do not induce vomiting! Seek medical attention immediately. Drink one glass of water followed by milk if available. Seek medical attention immediately. Do not give anything by mouth to an unconscious person. Induce vomiting as a last measure. Induced vomiting may lead to aspiration of material into the lungs potentially causing chemical pneumonitis that may be fatal.
Inhalation :	Move to fresh air. Restore breathing if necessary. 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 toxic. Follow personal protective equipment recommendations found in Section 8 of this MSDS. Personal protective equipment needs to be evaluated based on information provided on this sheet and special circumstances created by the spill including; the material spilled, the quantity of the spill, the area in which the spill occurred. Never exceed any occupational exposure limits.
Clean-up:	Dike if necessary, contain spill with inert absorbent and transfeere 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: Toxic or severely irritating 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

Personal Protective Equipment:

Respiratory Protection: 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: Butyl rubber gloves.

Eye Protection: Wear chemical splash goggles when handling this product. Additionally, wear a face shield when the possibility of splashing of liquid exists. Do not wear contact lenses. 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
Phenol, 4-nonyl, branched	Not Established	Not Established
Benzyl Alcohol	Not Established	Not Established

Section 9: Physical and Chemical Properties

Physical State: Liquid

Color: Amber

Odor: Neutral

Odor Threshold: Not established

Weight Per Gallon: 8.99 lbs.

Specific Gravity: 1.08

Solids (% by weight): 100.00

V.O.C. 0.00 g/L

pH: Not Established

Boiling point/Range: > 350°F

Vapor pressure: < 1mmHg @ 100°F

Vapor density: Approx. 3.5 (Air=1)

Evaporator Rate: Slower than N-Butyl Acetate

Octanol/Water Coefficient: Not Established

Freezing/Melting Point: Not Established

Solubility in Water: Very Slight

Section 10: Physical and Chemical Properties

Stability : Stable under normal conditions.
 Chemical Incompatibility: Water.
 Hazardous Polymerization: Will not occur.
 Hazardous Decomposition Products: Carbon monoxide, carbon dioxide (CO₂).

Section 11: Toxicological Information

Chemical Name	LD50 / LC50
Epoxy Resin	Not Established
Phenol, 4-nonyl, branched	Oral LD50 Rat=1300 mg/kg
Benzy Alcohol	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	This product is in compliance with the Toxic Substances Control Act's Inventory requirements.
EU	EINECS	This product is in compliance with the European Inventory of Notified and Existing Chemical Substances requirements.
Canada	DSL	This product is in compliance with the Canadian Domestic Substance List requirements.
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

TSCA Section 12(b) - Export Notice Requirements

This product contains a chemical substance that is currently on the EPA's Section 12(b) Export List.

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.

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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
Epichlorohydrin (Carcinogen)	106-89-8	<10ppm
Toluene (Developmental Toxin)	108-88-3	<10ppm
Epichlorohydrin (Male Reproductive Toxin)	106-89-8	<10ppm

Section 16: Other Information

HMIS Rating

Health:	3
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.