

Section 1: Product and Company Identification

Product Name:	Terroxy[®] Resin Systems — Acrylic Sealer
Product Use Description:	Resin Compound, Solvent Born Acrylic Sealer
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:

FLAMMABLE LIQUIDS - Category 3; ACUTE TOXICITY: SKIN - Category 4; ACUTE TOXICITY: INHALATION - Category 4; SKIN CORROSION/IRRITATION - Category 2; SERIOUS EYE DAMAGE/ EYE IRRITATION - Category 2A; CARCINOGENICITY: INHALATION - Category 2; SPECIFIC TARGET ORGAN TOXICITY (SINGLE EXPOSURE) [Respiratory tract irritation] - Category 3; SPECIFIC TARGET ORGAN TOXICITY (REPEATED EXPOSURE): INHALATION; [ears] - Category 2

ASPIRATION HAZARD - Category 1 Classification according to Regulation (EC) No 1272/2008

GHS Label elements:

Hazard Pictogram:



Signal Word:

Danger

Hazard Statements:

Flammable liquid and vapor. Harmful in contact with skin or if inhaled. Causes serious eye irritation. Causes skin irritation. Suspected of causing cancer if inhaled. May be fatal if swallowed and enters airways. May cause respiratory irritation. May cause damage to organs through prolonged or repeated exposure if inhaled. (ears)

Precautionary Statements:

Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Wear protective gloves. Wear eye or face protection. Wear protective clothing. Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use explosion-proof electrical, ventilating, lighting and all material-handling equipment. Use only nonsparking tools. Take precautionary measures against static discharge. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Do not breathe vapor. Wash hands thoroughly after handling.

Get medical attention if you feel unwell. IF exposed or concerned: Get medical attention. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER or physician if you feel unwell. IF SWALLOWED: Immediately call a POISON CENTER or physician. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water or shower. IF ON SKIN: Wash with plenty of soap and water. Call a POISON CENTER or physician if you feel unwell. Take off contaminated clothing. If skin irritation occurs: Get medical attention. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Store locked up. Store in a well-ventilated place. Keep cool.

Dispose of contents and container in accordance with all local, regional, national and international regulations.

Other hazards not classified: None Known

Section 3: Composition / Information on Ingredients

This product is a mixture.

Component	CAS#	Amount
Xylene (Mixed Isomers)	1330-20-7	49.0-52.0%
Trimethyl Benzene 1,2,4	95-63-6	9.0-11.0%
Aromatic Petroleum		
Naphtha 100	64742-95-6	19.0-21.0%

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

FIRST AID - EYE CONTACT: Immediately flush eyes with water. Flush eyes with water for a minimum of 15 minutes, occasionally lifting and lowering upper lids. Get medical attention promptly. Remove contact lenses if worn.

FIRST AID - SKIN CONTACT: Immediately flush skin with plenty of water. Remove clothing. Get medical attention immediately. Wash clothing separately and clean shoes before reuse.

FIRST AID - INHALATION: Rescuers should put on appropriate protective gear. Remove from area of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Keep victim warm. Get immediate medical attention. To prevent aspiration, keep head below knees.

FIRST AID - INGESTION: Get medical attention immediately. Call a poison center or physician. Wash out mouth with water. Remove dentures if any. Remove victim to fresh air and keep at rest in a position comfortable for breathing. Aspiration hazard if swallowed. Can enter lungs and cause damage. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway. Loosen tight clothing such as a collar, tie, belt or waistband.

Section 5: Fire Fighting Measures

UNUSUAL FIRE AND EXPLOSION HAZARDS: Flammable liquid and vapor. Vapors/dust may cause flash fire or explosion. Vapors can travel to a source of ignition and flash back. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. DO NOT pressurize, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition. Also, do not reuse container without commercial cleaning or reconditioning. Closed container may explode under extreme heat.

SPECIAL FIREFIGHTING PROCEDURES: As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear. Avoid use of solid water streams. Use water with caution. Material will float and may ignite on surface of water. Water may be ineffective in fighting the fire. Water spray to cool containers or protect personnel. Use with caution. Water runoff can cause environmental damage. Dike and collect water used to fight fire.

EXTINGUISHING MEDIA: Carbon Dioxide, Dry Chemical, Foam, Water Fog

Section 6: Accidental Release Measures

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. A vapor suppressing foam may be used to reduce vapors. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Remove from surface by skimming or with suitable absorbents. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover by pumping (use an explosion proof or hand pump).

Section 7: Handling and Storage

HANDLING: Use only in a well ventilated area. Avoid breathing vapor, fumes or mist. Avoid contact with eyes, skin, and clothing. Material accumulates static charge (ignition source). When transferring, follow proper grounding procedures. Use spark-resistant tools. Do not load into compartments adjacent to heated cargo. Use explosion proof equipment. Always open containers slowly to allow any excess pressure to vent. Follow all SDS/label precautions even after containers are emptied because they may retain product residues.

STORAGE: Keep away from heat, sparks, and flame. Containers can build up pressure if exposed to heat (fire). Store containers in a cool, well ventilated place. Keep container closed when not in use. Protect from direct sunlight. Material is a static accumulator which has the potential of forming ignitable vapor-air mixtures in storage tanks.

Section 8: Exposure Controls / Personal Protection

Personal Protective Equipment:

RESPIRATORY PROTECTION: NIOSH/MSHA approved respirators may be necessary if airborne concentrations are expected to exceed exposure limits.

SKIN PROTECTION: Wear impervious gloves to prevent contact with the skin. Wear long sleeves when contact is likely to occur. Wear protective gear as needed - apron, suit, boots.

EYE PROTECTION: Wear safety glasses with side shields (or goggles) and a face shield.

OTHER PROTECTIVE EQUIPMENT: Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

HYGIENIC PRACTICES: Do not eat, drink, or smoke in areas where this material is used. Avoid breathing vapors. Remove contaminated clothing and wash before reuse. Wash thoroughly after handling. Wash hands before eating.

Exposure Limit:

Chemical Name	OSHA PEL	ACGIH TLV
Xylene (Mixed Isomers)	100 ppm	100 ppm
Trimethyl Benzene 1,2,4	25 ppm	25ppm
Aromatic Petroleum Naphtha 100	Not Established	Not Established

Section 9: Physical and Chemical Properties

Form:	Liquid.
Color:	Clear, Aromatic color
Odor:	Typical.
Relative density:	Not Established
Density:	Not Established
pH:	Not Established
Boiling point/Range:	212°F (100°C)
Flash point:	85°F (29.4°C)
Water solubility:	Negligible
Viscosity:	Not Established
Evaporation Rate:	Slower than N-Butyl Acetate
Vapor Density:	Heavier Than Air
Auto Ignition Temp:	Not Established
Weight Per Gallon:	7.42 lbs/gallons
Specific Gravity:	0.89 g/L

Section 10: Reactivity Data

Stability: Stable

Conditions and Materials to Avoid: Based upon the presence of Component One, avoid oxidizing materials and chlorinated compounds.

Hazardous Decomposition or By-Products: Carbon Dioxide, Carbon Monoxide and unidentified organic compounds that may be formed during combustion.

Hazardous Polymerization: Will not occur

Section 11: Toxicological Information

Information on Toxicological Effects

EFFECTS OF OVEREXPOSURE - INHALATION: Breathing saturated vapors for a few minutes may be fatal. Saturated vapors can be encountered in confined spaces and/or under conditions of poor ventilation. Prolonged inhalation may be harmful. Vapors can cause irritation of the respiratory tract. High concentrations can cause headache, nausea, weakness, light-headedness, and stupor (CNS depression). May cause dizziness and drowsiness.

EFFECTS OF OVEREXPOSURE - SKIN CONTACT: Causes skin irritation. Can be absorbed through skin and produce central nervous system effects. Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash). Personnel with pre-existing skin disorders should avoid contact with this product.

EFFECTS OF OVEREXPOSURE - EYE CONTACT: Causes eye irritation. Symptoms may include stinging, tearing, redness and swelling.

EFFECTS OF OVEREXPOSURE - INGESTION: May be fatal if swallowed. Harmful or fatal if liquid is aspirated into lungs. Ingestion may cause gastrointestinal tract irritation. May cause nausea and diarrhea.

EFFECTS OF OVEREXPOSURE - CHRONIC HAZARDS: Suspect cancer hazard. Possible brain damage from overexposure. The International Agency for Research on Cancer has evaluated ethylbenzene and classified it as a possible human carcinogen (Group 2B) based on sufficient evidence for carcinogenicity in experimental animals, but inadequate evidence for cancer in exposed humans. Overexposure may cause nervous system damage. Small amounts of liquid aspirated into the lungs during ingestion or from vomiting may cause chemical pneumonitis or pulmonary edema. Significant exposure to this chemical may adversely affect people with chronic disease of the respiratory system, skin, and/or eyes. Significant exposure to this chemical may adversely affect people with chronic disease of the central nervous system.

Primary Route(s) of Entry: Eye Contact, Ingestion, Inhalation, Skin Absorption, Skin Contact

Acute Toxicity Values

The acute effects of this product have not been tested. Data on individual components are tabulated below:

<u>Name according to EEC</u>	<u>Oral LD50</u>	<u>Dermal LD50</u>	<u>Vapor LC50</u>
Light aromatic solvent naphtha (petroleum)	>3,000 mg/kg - Rat	>3160 mg/kg - Rabbit	>20.0 mg/L - Rat
trimethylbenzene	5000 mg/kg - Rat	>5000 mg/kg - Rabbit	18 mg/L - Rat
Xylenes, mixed isomers	4300 mg/kg - Rat	14,100 µg/kg - Rabbit	4550 ppm - Rat

Section 12: Ecological Information

ECOLOGICAL INFORMATION:

Xylenes, mixed isomers

<u>Result</u>	<u>Species</u>	<u>Duration</u>
Acute EC50 90 mg/l	Fresh water Crustaceans - Cypris subglobosa	48 hours
Acute LC50 8.5 ppm	Marine water Crustaceans - Palaemonetes pugio - Adult	48 hours
Acute LC50 8500 µg/l	Marine water Crustaceans - Palaemonetes pugio	48 hours
Acute LC50 15700 µg/l	Fresh water Fish - Lepomis macrochirus - Juvenile (Fledgling, Hatchling, Weanling)	96 hours
Acute LC50 19000 µg/l	Fresh water Fish - Lepomis macrochirus	96 hours
Acute LC50 13400 µg/l	Fresh water Fish - Pimephales promelas	96 hours
Acute LC50 16940 µg/l	Fresh water Fish - Carassius auratus	96 hours

Ethylbenzene

<u>Result</u>	<u>Species</u>	<u>Duration</u>
Acute EC50 4600 µg/l	Fresh water Algae - Pseudokirchneriella subcapitata	72 hours
Acute EC50 3600 µg/l	Fresh water Algae - Pseudokirchneriella subcapitata	96 hours
Acute EC50 2930 µg/l	Fresh water Daphnia - Daphnia magna - Neonate	48 hours
Acute LC50 5200 µg/l	Marine water Crustaceans - Americamysis bahia	48 hours
Acute LC50 4200 µg/l	Fresh water Fish - Oncorhynchus mykiss	96 hours
Chronic NOEC 1000 µg/l	Fresh water Algae - Pseudokirchneriella subcapitata	6 hours

Section 13: Disposal Considerations

For more guidance and information contact our Waste Services Division at (262) 658-4000.

Always dispose of any waste in accordance with all local, state, and federal regulations.

DISPOSAL METHOD: Dispose of waste in accordance with all local, state and federal regulations.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear appropriate personal protective equipment. (See Exposure Controls / Personal Protection Section.) Eliminate all ignition sources. Prevent additional discharge of material if able to do so safely. Do not touch or walk through spilled material. Avoid runoff into storm sewers and ditches which lead to waterways. Ventilate spill area. Stay upwind of spill. A vapor suppressing foam may be used to reduce vapors. Collect spilled materials for disposal. Use only non-combustible material for clean-up. Use clean, non-sparking tools to collect absorbed materials. Remove from surface by skimming or with suitable absorbents. Absorb spill with inert material (e.g. dry sand or earth), then place in a chemical waste container. Recover by pumping (use an explosion proof or hand pump).

Section 14: Transport Information

DOT

Proper shipping name: Resin Solution
Class: 3 - Flammable liquid
UN/ID No.: UN1866
Packing group: II
NAERG No.: 127

IATA

Proper shipping name: Resin Solution
Class: 3 - Flammable liquid
UN/ID No.: UN1866
Packing group: II
NAERG No.: 127

IMDG

Proper shipping name: Resin Solution
Class: 3 - Flammable liquid
UN/ID No.: UN1866
Packing group: II
NAERG No.: 127

IDG

Proper shipping name: Resin Solution
Class: 3 - Flammable liquid
UN/ID No.: UN1866
Packing group: II
NAERG No.: 127

Section 15: Regulatory Information

U.S. Federal Regulations:

CERCLA - SARA Hazard Category

This product has been reviewed according to the EPA 'Hazard Categories' promulgated under Sections 311 and 312 of the Superfund Amendment and Reauthorization Act of 1986 (SARA Title III) and is considered, under applicable definitions, to meet the following categories:

Fire Hazard, Acute Health Hazard, Chronic Health Hazard

SARA SECTION 313:

This product contains the following substances subject to the reporting requirements of Section 313 of Title III of the Superfund Amendment and Reauthorization Act of 1986 and 40 CFR part 372:

Chemical Name CAS-No.

1,2,4 trimethylbenzene 95-63-6

Xylene 1330-20-7

TOXIC SUBSTANCES CONTROL ACT:

This product contains the following chemical substances subject to the reporting requirements of TSCA 12(B) if exported from the United States:

No TSCA components exist in this product.

U.S. State Regulations:

NEW JERSEY RIGHT-TO-KNOW:

The following materials are non-hazardous, but are among the top five components in this product.
No NJ Right-To-Know components exist in this product.

PENNSYLVANIA RIGHT-TO-KNOW

The following non-hazardous ingredients present in the product are at or greater than 3%.
No PA Right-To-Know components exist in this product.

CALIFORNIA PROPOSITION 65 CARCINOGENS

Warning: The following ingredients present in the product are known to the state of California to cause Cancer:

CALIFORNIA PROPOSITION 65 REPRODUCTIVE TOXINS

Warning: The following ingredients present in the product are known to the state of California to cause birth defects, or other reproductive hazards.

No Proposition 65 Reproductive Toxins exist in this product.

International Regulations: As follows -

CANADIAN WHMIS:

This MSDS has been prepared in compliance with Controlled Product Regulations except for the use of the 16 headings.
WHMIS Class: No Information

Section 16: Other Information**HMIS Rating**

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

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.