

Section 1: Product and Company Identification

Product Name: Terroxy[®] Resin Systems — Terrazzo Trowel Lubricant
Product Use Description: Trowel Lubricant

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:

Asp. Tox. 1, Eye Irrit. 2, Flam. Liq. 3, STOT RE 1, STOT SE 2, Skin Irrit. 2

Classification according to Regulation (EC) No 1272/2008

GHS Label elements:

Hazard Pictogram:



Signal Word:

Danger

Hazard Statements:

Flammable Liquid, category 3; H226 Flammable liquid and vapor.
 Aspiration Hazard, category 1; H304 May be fatal if swallowed and enters airways.
 Skin Irritation, category 2; H315 Causes skin irritation.
 Eye Irritation, category 2A; H319 Causes serious eye irritation.
 STOT, single exposure, category 2; H371 May cause damage to organs.
 STOT, repeated exposure, category 1; H372 Causes damage to organs through prolonged or repeated exposure.

Precautionary Statements:

- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P233 Keep container tightly closed.
- P240 Ground/bond container and receiving equipment.
- P241 Use explosion-proof electrical/ventilating/lighting/equipment.
- P242 Use only non-sparking tools.
- P243 Take precautionary measures against static discharge.
- P260 Do not breathe dust/fume/gas/mist/vapors/spray.
- P264 Wash thoroughly after handling.
- P270 Do no eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor/physician
- P302+P352 IF ON SKIN: Wash with plenty of water
- P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P308+P311 IF exposed or concerned: Call a POISON CENTER/doctor/physician
- P314 Get medical advice/attention if you feel unwell.
- P321 Specific treatment (see first aid section on this label).
- P331 Do NOT induce vomiting.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P362+P364 Take off contaminated clothing and wash it before reuse.

P370+P378 In case of fire: Use appropriate method to extinguish.
 P403+P235 Store in a well-ventilated place. Keep cool.
 P405 Store locked up.
 P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Other hazards not classified: None Known

Section 3: Composition / Information on Ingredients

This product is a mixture.

Component	CAS#	Amount
Light aromatic solvent naphtha (petroleum)	64742-95-6	75-100%
1,2,4 trimethylbenzene	95-63-6	10-25%
Xylene	1330-20-7	1.0-2.5%
Ethylbenzene	100-41-4	0.1-1.0%

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

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: Do not induce vomiting. Do not give liquids. Obtain emergency medical attention.

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 MSDS/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.

HYGENIC 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
Light aromatic solvent naphtha (petroleum)	Not Established	Not Established
1,2,4 trimethylbenzene	25 ppm	25ppm
Xylene	100 ppm	100 ppm
Ethylbenzene	100 ppm	100 ppm

Section 9: Physical and Chemical Properties

Form:	Liquid.
Color:	Clear, colorless liquid
Odor:	Typical.
Relative density:	Not Determined
Vapor pressure:	Not Determined
Density:	54.56 lb/ft ³ (0.874 g/cm ³) at 70°F (21°C)
V.O.C.	100 g/L
pH:	Not Determined
Boiling point/Range:	302-340°F (150-171°C)
Flash point:	105°F (40.5°C)
Water solubility:	Negligible
Viscosity:	Not Determined
Explosive Limits, Vol%:	0.9 - 6.2
Evaporation Rate:	Slower than N-Butyl Acetate
Vapor Density:	Heavier Than Air
Auto Ignition Temp:	Not Determined

Section 10: Reactivity Data

STABILITY: No Information

CONDITIONS TO AVOID: Avoid impact, friction, heat, sparks, flame and source of ignition.

INCOMPATIBILITY: Keep separate from alkalis. Keep away from acids. Avoid contact with concentrated sulfuric or nitric acid. Prevent contact with oxidizing materials.

HAZARDOUS DECOMPOSITION PRODUCTS: Toxic gases/fumes are given off during burning or thermal decomposition. During combustion carbon monoxide may be formed. During combustion carbon dioxide may be formed.

HAZARDOUS POLYMERIZATION: No Information

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>CAS-No.</u>	<u>Name according to EEC</u>	<u>Oral LD50, mg/kg</u>	<u>Dermal LD50, mg/kg</u>	<u>Vapor LC50, mg/L</u>
64742-95-6	Light aromatic solvent naphtha (petroleum)	>3,000	>3160	>20.0
95-63-6 1,2,4	trimethylbenzene	5000	>5000	18

Section 12: Ecological Information

ECOLOGICAL INFORMATION: No Information

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 RELEASE 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: Petroleum distillates, n.o.s. (naphtha solvent) - Combustible Liquid
Class: No Information
UN/ID No.: UN1268
Packing group: III
NAERG No.: 153

IATA

Proper shipping name: Petroleum distillates, n.o.s. (naphtha solvent) - Combustible Liquid
Class: No Information
UN/ID No.: UN1268
Packing group: III

IMDG

Proper shipping name: Petroleum distillates, n.o.s. (naphtha solvent) - Combustible Liquid
Class: No Information
UN/ID No.: UN1268
Packing group: III

TDG

Proper shipping name: Petroleum distillates, n.o.s. (naphtha solvent) - Combustible Liquid
Class: No Information
UN/ID No.: UN1268
Packing group: III

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
Cumene 98-82-8
Ethylbenzene 100-41-4

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 are 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:

Chemical Name CAS-No.

Cumene 98-82-8

Ethylbenzene 100-41-4

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:	1
Flammability:	2
Reactivity:	0
Physical hazard:	X

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.