

Section 1: Product and Company Identification

Product Name: Terroxy[®] Resin Systems — Terrazzo WB Urethane Sealer

Product Use Description: Resin Compound, Water Born Urethane 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: Non hazardous

Classification according to Regulation (EC) No 1272/2008

GHS Label elements:

Hazard Pictogram:



Signal Word: Danger

Hazard Statements: H315 Causes skin irritation.
H319 Causes serious eye irritation
H360 May damage fertility or the unborn child

Precautionary Statements: P261 Avoid breathing mist/vapors/spray
P264 Wash hands and skin contact areas thoroughly after handling
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
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.

Component	CAS#	Amount
Water	7732-18-5	40.0 -60.0%
2-butoxyethanol	111-76-2	1.0 -5.0%
N-Methyl Pyrolidone	872-50-4	1.0 -5.0%
Triethylamine	121-44-8	<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

- General advice:** Show this safety data sheet to the doctor in attendance.
- Eye contact:** Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
- Skin contact:** Wash with water for 5-10 minutes. Remove any contaminated clothing and wash before reuse. If condition persist, Consult a physician.
- Inhalation:** Move to fresh air in case of accidental inhalation of vapors. If symptoms persist, call a physician.
- Ingestion:** Do not induce vomiting unless directed by a physician. If conscious and alert, give two glasses of water. Seek medical attention immediately.
- Protection of First-aiders:** Do not use mouth-to-mouth method if victim ingested or inhaled the substance; induce artificial respiration with the aid of a pocket mask equipped with a one-way valve or other proper respiratory medical device.

Section 5: Fire Fighting Measures

Suitable Extinguishing Media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable Extinguishing Media CAUTION: Use of water spray when fighting fire may be inefficient

Specific hazards arising from the chemical

No information available.

Explosion Data

Sensitivity to Mechanical Impact None.
 Sensitivity to Static Discharge None.

Protective Equipment and Precautions for Firefighters

Revision Date 16-Apr-2015

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

- Personal precautions:** Ensure adequate ventilation, especially in confined areas.
- Environmental precautions:** Keep out of waterways. This product can be safely flushed into a sanitary sewer that leads to a wastewater treatment plant. See Section 12 for additional Ecological Information.
- Methods for Containment:** Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up:** Contain spill. Mop up. Rinse residue with water.

Section 7: Handling and Storage

- Handling:** Wash thoroughly after handling. Keep from freezing. **KEEP OUT OF REACH OF CHILDREN.**
- Storage:** Keep containers tightly closed in a dry, cool and well-ventilated place.

Section 8: Exposure Controls / Personal Protection

Personal Protective Equipment:

- Respiratory Protection:** If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations.
- Ventilation:** Ensure adequate ventilation, especially in confined areas.
- Hand Protection:** Wear appropriate chemical resistant clothing and chemical resistant gloves.
- Eye Protection:** Splash-proof chemical goggles or face shield.
- Skin and Body Protection:** Wear appropriate chemical resistant clothing and chemical resistant gloves.

Exposure Limit:

Chemical Name	OSHA PEL	ACGIH TLV
Water	None	None
2-Butoxyethanol	50 ppm	20 ppm
N-Methyl Pyrolidone*	10 ppm recommended	10 ppm recommended
Triethylamine	25 ppm	1 ppm

*Unless otherwise noted, all PEL & TLV values are reported as 8 hour time time weighted averages (TWA).

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.

Skin Corrosion/Irritation

Components: (Rabbit, 24 h): moderate (2-butoxyethanol)

Serious Eye Damage/Eye Irritation

Components: (Rabbit, 24 h): moderate (2-butoxyethanol)

Respiratory or Skin Sensitization

Components: Skin Sensitization: (Guinea Pig) – Not a skin sensitizer.

Mutagenicity:

In Vitro

Components: Salmonella typhimurium assay (Ames test): negative +/- activation. (2-butoxyethanol)

In Vivo

Components: Chromosomal aberration intraperitoneal injection (Mouse, Male): Negative. (2-butoxyethanol)

Carcinogenicity

Product: Based on available data the classification criteria are not met. Not classified as hazardous.

Reproductive Toxicity

Components: Adverse effects on reproduction have been reported in rats after ingestion of amounts of 1-Methyl-2-Pyrrolidinone which also caused mild generalized changes in the parental animals. Fetal effects have been noted in pregnant animals exposed by ingestion, inhalation and skin contact, and occurred both in the presence and absence of maternal toxicity.

Specific Target Organ Toxicity – Single Exposure

Product: Not classified.

Specific Target Organ Toxicity – Repeated Exposure

Product: *Not classified.*

Aspiration Hazard

Product: Droplets of the product aspirated into the lungs through ingestion or vomiting may be harmful.

Other Adverse Effects/Toxicity

No data available. Approximately 15% of the product consists of ingredient(s) of unknown toxicity.

Section 12: Ecological Information

Toxicity:

Acute Toxicity:

Fish

Components: LC-50 (Oncorhynchus mykiss, 96h): 1,474 mg/l (2-butoxyethanol)
LC-50 (Lepomis macrochirus, 96h): 832 mg/L (1-Methyl-2-Pyrrolidinone)
LC-50 (Pimephales promelas, 96h): 43.7 mg/L

Aquatic Invertebrates

Components: EC-50 (Water Flea, 48 h): 1,550 mg/l (2-butoxyethanol)

Chronic Toxicity:

Fish

Components: NOEC (Zebra Fish, 21 d): > 100 mg/l (2-butoxyethanol)

Aquatic Invertebrates

Components: NOEC (daphnid, 21 d): 100 mg/l (2-butoxyethanol)

Toxicity to Aquatic Plants

Components: EC-50 (Algae (Pseudokirchneriella subcapitata, 72 h): 1,840 mg/l (2-butoxyethanol)

Section 13: Disposal Considerations

Dispose of waste and residues in accordance with local authority requirements. Incinerate. Since emptied containers retain product residue, follow label warnings even after container is emptied.

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) Sensitizer.

Country	Regulatory List	Notification
USA	TSCA	Included on Inventory
EU	EINECS	-
Canada	DSL	Included on Inventory
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

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.

CAS#	Chemical Name	Percent Weight
111-76-2	2-Butoxyethanol	<5.0%
121-44-8	Triethylamine	<1.0%

WHMIS STATUS: Unless listed below, This product is 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.

CAS#	Chemical Name	Percent Weight
872-50-4	N-Methyl Pyrolidone	<5.0%

CWA (Clean Water Act):	Triethylamine CAS 121-44-8	RQ (Reportable Quantity): 5000 lb
CERCLA:	Triethylamine CAS 121-44-8	RQ (Reportable Quantity): 5000 lb

Clean Air Act: This product contains the following HAPS:

Triethylamine CAS 121-44-8	Weight Percent : < 1.0
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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.