Material Safety Data Sheet

Product Name: Terroxy® Resin Systems — Clear Resin Hardener, Part B

Section 1: Manufacturer Identification

Manufacturer's Name:	Terrazzo & Marble Supply Companies		
Address:	77 South Wheeling Road, Wheeling, Illinois 60090 USA		
Emergency Number:	800.424.9300	**Date Printed:**	04/04
Information Number:	847.353.8000	**Preparer:**	W. Gallinaitis

Section 2: Hazardous Ingredients

This Material Safety Data Sheet is prepared to comply with the United States Occupational Safety and Health Administration (OSHA) Hazard Communication Standard (29 CFR 1910.1200) and the Canadian Workplace Hazard Materials Information System (WHMIS). Unlisted ingredients are not "hazardous" per the OSHA standard and/or are not found on the WHMIS ingredient disclosure list.

Chemical Name	CAS #	OSHA PEL	ACGIH TLV	WT %
Polyetherdiamine	—	N/E	N/E	›21
Isophoronediamine (IPD)	2855-13-2	N/E	N/E	‹25
Benzyl Alcohol	100-51-6	N/E	N/E	‹26
Nonylphenol	25154-52-3	N/E	N/E	‹14
Trimethylehexamethylenediamine (TMD)	25620-58-0	N/E	N/E	‹8
Cycloaliphatic Amine	—	N/E	N/E	›6

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
- "—" Denotes composition is trade secret
- ALL ingredients are registered on TSCA

Section 3: Health Hazard Data

Health Risks and Symptoms of Exposure:

Inhalation: Vapors can cause severe irritation of respiratory tract.
Eyes: Vapors can cause irritation and burns to eyes
Skin: Corrosive - Can cause burns to skin
Ingestion: Can cause severe damage to mouth and throat.

Health Hazards (acute and chronic):

Carcinogenicity:
NTP Carcinogen: No **IARC Monographs:** No **OSHA Regulated**: No

Medical Conditions Generally Aggravated by Exposure: Skin contact may aggravate existing dermatitis (skin condition). Over exposure to vapor or mist may aggravate existing respiratory conditions such as asthma, bronchitis or fibrotic respiratory disease.

Emergency and First Aid Procedures:

Eyes: Flush at once with potable water for at least 15 minutes. DO NOT attempt to neutralize with chemical agents. Get immediate medical attention.
Skin: Flush immediately for 15 minutes with potable water. DO NOT attempt to neutralize with chemical agents. Remove contaminated clothing. Launder before reuse. Discard contaminated shoes. Get medical attention if swelling and/or irritation occurs.
Ingestion: Give water to dilute stomach contents. DO NOT induce vomiting. If vomiting occurs, give liquids again. Get immediate medical attention. Do not give anything by mouth to an unconscious or convulsing person.
Inhalation: Remove to fresh air. Get medical attention if effects persist.
Other Instructions: Swallowing this corrosive material may result in severe ulceration, inflammation and possible perforation of the upper alimentary tract, with hemorrhage and fluid loss. Aspiration of this product during induced emesis can result in severe lung injury. If evacuation of stomach is necessary, use method least likely to cause aspiration, such as gastric lavage after endotracheal intubation. Contact a Poison Control Center for additional treatment information.

Section 4: Control Measures

HMIS Ratings:	Health — 3 Flammability — 1 Reactivity — 0
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.
Ventilation:	Mechanical ventilation required if TLV is expected to be exceeded in confined areas.
Protective Gloves:	Neoprene or natural rubber gloves
Eye Protection:	Chemical goggles
Other Protective Clothing/Equipment:	Body Covering Clothes
Work/Hygienic Practices:	Practice good industrial hygiene. Wash with soap and water before eating, smoking or using the restroom.

Section 5: Precautions for Safe Handling and Use

Steps to be Taken in Case Material is Released or Spilled: 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 material. Place in disposal containers.

Waste Disposal Method: Dispose in an approved incinerator or an approved landfill

Precautions to be Taken in Handling and Storing: Avoid contact. Keep containers tightly closed when not in use. Do not remove labels from empty containers. If mixtures of Part B and Part A are allowed to remain in the mixing container past the pot life deadline, heat and a strong reaction will result.

Other Precautions: None

Section 6: Physical/Chemical Characteristics

Boiling Range:	›390º F
Vapor Density:	N/E
Vapor Pressure:	1.1 mm Hg @ 21ºC (70ºF)
VOC:	0.00
Solubility in Water:	Partial
Appearance and Odor:	Low viscosity with sharp ammonia odor
Specific Gravity (H20=1):	.98
Evaporation Rate:	N/E

Section 7: Fire and Explosion Hazard Data

Flash Point:	›200ºF
Method Used:	Closed Cup
Flammable Limits in Air:	
By Volume-Lower:	Not Determined
By Volume-Upper:	Not Determined
Extinguishing Media:	Foam, Water Spray, Dry Chemical; CO 2
OSHA Flammability Class:	Combustible Liquid, Class III B
Special Fire Fighting Procedures:	Wear positive pressure self contained breathing equipment. Use water to cool containers exposed to fire.
Unusual Fire & Explosion Hazards:	Toxic fumes present when this material involved in fire. Containers may rupture.

Section 8: Reactivity Data

Stability:	Normally Stable
Conditions to Avoid:	Contact with acids such as Hydrochloric or Sulfuric.
Incompatibility (materials to avoid):	Avoid strong oxidizing agents and epoxy resins under uncontrolled conditions.
Hazardous Decomposition:	When exposed to fire, oxides of Carbon and Nitrogen will be generated
Hazardous Polymerization:	Will not occur

Section 9: Regulatory Information

SARA Title III Section 313: Unless shown below, this product does not contain the following toxic chemicals subject to the reporting requirements of section 313 of the Emergency Planning and Community Right to Know Act of 1986 and of 40 CFR 372:

CAS#	Chemical Name	Percent by Weight
	None	

PROP 65 (Carcinogen): Unless shown below, this product does not contain the chemicals known to the state of California to cause cancer.

CAS#	Chemical Name	Percent by Weight
	None	

PROP 65 (Teratogenic): Unless shown below, this product does not contain the chemicals known to the state of California to cause birth defects or other reproductive harm.

CAS#	Chemical Name	Percent by Weight
	None	

PROP 65 (Carcinogen and Teratogenic): Unless shown below, this product does not contain the chemicals known to the state of California to cause cancer or birth defects or other reproductive harm.

CAS#	Chemical Name	Percent by Weight
	None	

Hazardous Waste Information: Unless shown below, this product is not a hazardous waste according to definitions found in CFR-40.

State of Michigan Critical Materials: Unless shown below, this product does not contain ingredients appearing on the State of Michigan Critical Materials List.

CAS#	Chemical Name	Percent by Weight
	None	

Department of Transportation

Proper Shipping Name:	Amines, Liquid Corrosive, N.O.S. (Trimethylhexamethylenediamines)
Hazard Class:	Class 8, Corrosive
UN/NA ID Number:	UN 2735
Packaging:	III
NAERG #:	153

Section 10: Disclaimer

Data and recommendations presented herein are based upon our 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.