

Material Safety Data Sheet

Product Name: Terroxy® Resin Systems — Accelerated Grout Hardener

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: 03/2011
Information Number: 847.353.8000 Preparer: W. Gallinaitis

Section 2: Hazardous Ingredients

Chemical Name	CAS#	OSHA PEL *	ACGIH TLV*	WT %
N-Aminoethylpiperazine	140-31-8	N/E	N/E	35-45
Nonylphenol	25154-52-3	N/E	N/E	25-35
Triethylenetetranine	112-24-3	N/E	N/E	25-30

- 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: Health Hazard Data

Health Risks and Symptoms of Exposure:

Inhalation: Headache, nausea, respiratory tract irritant

Eyes: Severe irritation and possible skin sensitizer

Skin: Can cause irritation, burning, tearing, redness, swelling and possible chemical burns to the eyes

Skin Absorption: Can cause chemical burns, redness and swelling

Ingestion: Abdominal pain, nausea, vomiting, diarrhea, throat and mouth burns

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 medical attention.

Skin: Flush at once with potable water for at least 15 minutes. DO NOT attempt to neutralize with chemical agents. Get immediate medical attention. Remove contaminated clothes. Wash before reuse. Destroy contaminated shoes.

Ingestion: Give water to dilute stomach contents. DO NOT induce vomiting. If vomiting occurs, give fluids 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 Rating: Health — 3 Flammability — 1 Reactivity — 0 P — C
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: Wear splash-proof 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 materials. Place in disposal containers.

Waster 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 Point:	>300°F
Vapor Density:	N/E
VOC:	0.00
Solubility in Water:	Partial
Appearance:	Amber liquid with slight ammonia odor
Specific Gravity (H2O=1):	0.96 - 0.98
Evaporation Rate:	N/A

Section 7: Fire and Explosion Hazard Data

Flash Point:	>200°F
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. Water may be an ineffective extinguishing agent.
Unusual Fire & Explosion Hazards:	Vapors are heavier than air and may travel along the ground or be moved by ventilation to ignition sources at locations distant from material handling point. Pressure may build up in containers and create an explosion hazard.

Section 8: Reactivity Data

Stability:	Stable
Conditions to Avoid:	Not applicable
Incompatibility (materials to avoid):	Strong oxidizing agents, strong acids or bases
Hazardous Decomposition or By-Products:	Carbon monoxide, carbon dioxide, nitrogen oxides and organic compounds
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 & 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. (N-Aminoethylpiperazine/nonylphenol)

Hazard Class: Class 8, Corrosive

UN/NA ID Number: UN 2735

Packaging Group: III

Section 10: Disclaimer

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.