

MATERIAL SAFETY DATA SHEET

Product Name: Torr-Seal (Part 1 - Resin)
Catalog Number: 110516
MSDS Update: 01/01/2015



Distributed By:
Accu-Glass Products, Inc.
25047 Anza Dr.
Valencia, CA. 91355
(818) 365-4215

HAZARDOUS COMPONENTS

	CAS Number	Percent	Exposure Limits
Magnesium Silicate Hydrate	001317653	30-60%	2 mg/m ³ (ACGIH TLV)
Epoxy Resin	025068386	30-60%	Not established

PHYSICAL AND CHEMICAL DATA

Boiling Point: >500°F

Specific Gravity: 1.57

Solubility in Water: Insoluble

Appearance and Odor: White, high viscosity liquid, mild odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 480°F (method - PMCC)

Extinguishing Media: Water fog, foam, dry chemical or carbon dioxide

Special Fire Fighting Procedures: Material will not burn unless preheated. Do not enter confined fire space without full bunker gear. Cool fire exposed containers with water.

HEALTH HAZARD DATA

For Magnesium Silicate Hydrate

Inhalation: Coughing, wheezing, difficult breathing and upper respiratory tract irritation.

Eye: Temporary discomfort and irritation.

For Epoxy Resin

Eye: May moderately irritate eyes.

Skin: Irritant. May sensitize susceptible individuals.

EMERGENCY AND FIRST AID

For Magnesium Silicate Hydrate

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

Eyes: Flush with water.

For Epoxy Resin

Eyes: Flush with water for 15 minutes. Seek medical attention.

Skin: Wipe excess resin from skin. Follow with washing with soap and water.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult.

REACTIVITY DATA

Stability: Stable

Conditions to Avoid: Can react vigorously with strong oxidizing agents and strong Lewis or mineral acids. In reactions with many curing agents, considerable heat is released.

Incompatibility: Strong acids, amines, mercaptans, bases.

Hazardous Decomposition Products: Carbon monoxide, aldehydes and acids may be formed.

Hazardous Polymerization: Will not occur.

SPILL, DISPOSAL AND STORAGE INFORMATION

Cleanup and disposal: should be in accordance with federal, state and local environmental control regulations.

Storage: Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory: Not ordinarily required. If resin is warmed or heated, vapors or mists may be produced. In such cases, NIOSH-approved respirator for organic vapors may be used.

Ventilation: Local exhaust preferred.

Gloves: Rubber or plastic.

Eye: Chemical goggles, face splash shield or safety glasses.

SECTION 313 SUPPLIER NOTIFICATION

Not applicable.



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MATERIAL SAFETY DATA SHEET

Product Name: Torr-Seal (Part 2 - Hardener)
Catalog Number: 110516
DOT Hazard Class: Corrosive (shipped as Excepted Quantity)
UN/NA ID No.: UN 2079
MSDS Updated: 01/01/2015



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HAZARDOUS COMPONENTS

	CAS Number	Percent	Exposure Limits
Quartz (Crystalline Silica)	014808607	15.92%	0.3 mg/m ³ (ACGIH TLV)
Magnesium Silicate Hydrate	001317653	30-60%	2 mg/m ³ (ACGIH TLV)
Diethylenetriamine	000111400	10-30%	1 ppm
Epoxy Resin	025068386	30-60%	Not established

PHYSICAL AND CHEMICAL DATA

Boiling Point: 404 °F

Specific Gravity: 1.65

Vapor Pressure: <1 mm Hg

Vapor Density: 3.5 (air = 1)

Solubility in Water: Partial

Appearance and Odor: Tan, high viscosity liquid strong ammonia-like odor.

FIRE AND EXPLOSION HAZARD DATA

Flash Point: 215 °F (method = Open Cup)

Extinguishing Media: Use water spray, dry chemical, "alcohol" foam or carbon dioxide

Special Fire Fighting Procedures: Use water to keep fire-exposed containers cool. Water spray may be used to flush spills away from exposures and to dilute spills to nonflammable mixtures.

Unusual Fire and Explosion Hazards: Care must be taken to prevent ignition when processing or handling at temperatures above the flash point.

HEALTH HAZARD DATA

For Quartz

Inhalation: Prolonged overexposure to free silica dust above the TLV specified above may cause scarring of the lungs with cough and shortness of breath. A delayed lung injury, silicosis, may result from breathing free silica. **(However this effect is highly unlikely with this product)**

For Magnesium Silicate Hydrate

Inhalation: Coughing, wheezing, difficult breathing and upper respiratory tract irritation.

Eye: Temporary discomfort and irritation.

For diethylenetriamine

Eye: May cause severe irritation.

Skin: May cause severe skin burns. May cause allergic skin reactions.

Ingestion: May cause GI irritation or ulceration. May cause burns of the mouth and throat.

Inhalation: May cause respiratory sensitization or asthma in susceptible individuals.

EMERGENCY AND FIRST AID

For Quartz

Eyes: Wash eyes with large amounts of water

For Magnesium Silicate Hydrate

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen and call a physician.

Eyes: Flush with water.

For Diethylenetriamine

Eyes: Immediate and continuous irrigation with flowing water for at least 30 minutes is imperative. Prompt medical attention is essential.

Skin: Immediately flush skin with plenty water for at least 15 minutes

Ingestion: **DO NOT** induce vomiting. Give large amounts of water or milk and transport to medical facility.

Inhalation: Remove to fresh air.

For Epoxy Resin

Eyes: Flush with water for 15 minutes. Seek medical attention.

Skin: Wipe excess resin from skin. Follow with washing with soap and water.

Inhalation: Remove to fresh air and provide oxygen if breathing is difficult.

REACTIVITY DATA

Stability: Stable

Incompatibility: Avoid contamination with strong acids.

Hazardous Decomposition Products: Thermal decomposition may produce hydrogen cyanide, nitrogen oxides, carbon monoxide and carbon dioxide.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Do not mix large batches of epoxy resin and Diethylenetriamine without recognition of development of exothermic heat.

SPILL, DISPOSAL AND STORAGE INFORMATION

Cleanup and disposal: should be in accordance with federal, state and local environmental control regulations.

Storage: Store in a cool, dry place with adequate ventilation. Keep away from open flames and high temperatures.

PROTECTIVE EQUIPMENT AND CONTROL MEASURES

Respiratory: OSHA/MSHA-approved organic vapor respirator.

Ventilation: Ventilation should move air over the work and away from the worker.

Gloves: Plastic or Rubber

Eye: Goggles where there is danger of splash.



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