

Section I – Product and Company Identification**Trade Name:** Mountain Grout**Product Name:** MGP-80-B**Distributed by:**
Green Mountain International, LLC.
235 Pigeon Street
Waynesville, NC 28786
800-942-5151 US/Canada
828-456-9970 International**24 Hr. Emergency Telephone Number**
Chemtrec: 800-424-9300**Section II –Ingredients**

	Wt.%	CAS#
Poly(oxy(methyl-1,2-ethanediyl)), alpha-(2-aminomethylethyl) omega-2-aminomethlethoxy)	55 – 75	9046-10-0
Diethylmethylbenzenediamine	15 – 30	68479-98-1
Glyceryl poly(oxypropylene) triamine	<= 15	64852-22-8

Section III – Hazards Identification**Emergency Overview****Physical Appearance:** Liquid. Various colors, including but not limited to: white, off-white, cream, black, gray, beige, blue, orange, red, tan, green.**Immediate Concerns:** This material is corrosive. Skin contact with liquid or vapors may result in dermatitis and deep burns. Eye contact may result in burns and permanent injury. Inhalation of the mists causes irritation of the respiratory tract and inflammation of the lungs may result. Ingestion may cause moderate to severe gastric irritation including nausea, vomiting, and pain. Ulceration or perforation of the gastrointestinal tract may occur.**Potential Health Effects****Eyes:** Can cause severe burns.**Skin:** Contact causes severe skin irritation and possible burns.**Ingestion:** Ingestion could result in irritation and corrosive action in the mouth, stomach tissue and digestive tract. These irritations would likely be followed by vomiting and cramps. Aspiration hazard.**Inhalation:** Causes respiratory tract irritation.**Signs and Symptoms of Overexposure****Eyes:** Can cause severe eye irritation experienced as pain with excess blinking, and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye. May cause severe eye damage.**Skin:** Causes severe irritation with pain, severe excess redness and swelling with chemical burns, blister formation, and possible tissue destruction.**Ingestion:** Irritation and possible corrosive action in the mouth, stomach tissue and digestive tract.**Inhalation:** Vapors or mist, especially as generated from exposure in poorly ventilated areas or confined spaces, are irritating and cause nasal discharge, coughing, and discomfort in nose and throat.**Routes of Entry:** Inhalation, skin contact, eye contact, ingestion.**Warning Caution Labels:** Corrosive to the eyes and may cause severe damage including blindness.

Section IV – First Aid Measures

Eyes: Immediately flush eyes with plenty of water for at least 15 minutes, lifting upper and lower eyelids occasionally. Get immediate medical attention.

Skin: Remove contaminated clothing. Wash affected areas thoroughly with soap and water. Wash clothing thoroughly before reuse. Seek medical attention immediately.

Ingestion: DO NOT induce vomiting. If the individual is conscious, rinse mouth with water and give 1 to 2 cups of water to drink. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Inhalation: Remove person to fresh air. Administer oxygen or artificial respiration if necessary. Obtain immediate medical attention.

Section V – Fire Fighting Measures

Flash Point and Method: > (234°F)

Autoignition Temperature: Not determined.

Extinguishing Media: Dry Chemical, Carbon Dioxide, Chemical Foam, Water Fog or spray.

Explosion Hazards: Closed containers could rupture explosively at elevated temperatures generated under fire conditions. During a fire, gases of highly toxic nature may be generated by thermal decomposition or combustion. Use water to cool fire-exposed containers.

Fire Fighting Procedures: Use water spray to cool fire-exposed surfaces and containers.

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

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide, Nitrogen Oxides

Section VI– Accidental Release Measures

Small Spill: Absorb with earth, sand or other non-combustible material and transfer to containers for later disposal.

Large Spill: Create a dike or trench to contain materials. Prevent entry into waterways, sewers, basements or confined areas. Absorb spill with inert material. Place in a chemical waste container.

General Procedures: Clean-up crews should wear protective clothing, gloves, boots, and goggles. Respiratory protection is also recommended.

Special Protective Equipment: See Section VIII. Clean-up crews should always wear Personal Protective Equipment.

Comments: Dispose of by any standard method of disposal in accordance with good industrial practice and in compliance with federal, state, and local environmental protection regulations.

Section VII – Handling and Storage

Precautions: Keep containers tightly sealed. Keep containers away from heat source and/or open flames. Do not store container in open sunlight.

Handling: Wear proper personal protective equipment. Use in a well ventilated area. Avoid smoking, bare lights, or ignition sources. Keep containers securely sealed when not in use. Avoid physical damage to containers.

Storage: Containers can rupture if exposed to high heat. Protect from atmospheric moisture. Keep containers sealed in order to avoid contamination. Do not reseal if contaminated. After container has been opened, blanket with nitrogen before resealing. Store indoors in a cool, well-ventilated area.

Storage Temperature: (55°F) minimum to (100°F) maximum

Shelf Life: 6 months.

Special Sensitivity: Material is hygroscopic and may absorb small amounts of atmospheric moisture.

Comments: See Section X for more information on precautions concerning storage and handling of this material.

Section VIII – Exposure Controls/Personal Protection

Exposure Guidelines:

OSHA Hazardous Components (29 CFR 1910.1200)

		OSHA PEL		ACGIH TLV	
		ppm	mg/m ³	ppm	mg/m ³
Poly(oxy(methyl-1,2-ethanediyl)),alpha-(2-aminomethylethyl) omega-2-aminomethlethoxy)	TWA	NE	NE	NE	NE
Diethylmethylbenzenediamine	TWA	NE	NE	NE	NE
Glyceryl poly(oxypropylene) triamine	TWA	NL	NL	NL	NL

OSHA Table Comments: NE = Not Established NL = Not Listed

Engineering Controls: Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

Personal Protective Equipment

Eyes and Face: Wear safety glasses with side shields (or goggles) and a face shield.

Skin: The following protective materials are recommended: Gloves – neoprene, nitrile rubber, butyl rubber. Thin latex disposable gloves should be avoided for repeated or long-term use. Protective clothing should be selected and used in accordance with “Guidelines for the Selection of Chemical Protective Clothing” published by ACGIH.

Respiratory: NOISH approved organic vapor respirator for exposure of less than one hour. A positive-pressure air-supplied respirator must be worn during spray applications or whenever long-term exposure is anticipated.

Protective Clothing: Where contact is likely, wear chemical resistant gloves, a chemical suit, rubber boots, and chemical safety goggles plus a face shield.

Work Hygienic Practices: Follow good normal hygiene practices. Avoid contact with skin. Avoid eating or drinking while using this product. Wash hands thoroughly after use.

Other Use Precautions: Safety showers and eye wash stations should be available. Employees should be trained concerning the safe use of product.

Section IX – Physical Data

Physical State:	Liquid
Odor:	Characteristic amine odor
Appearance:	Various colors including: white, off-white, cream, black, gray, beige, blue, orange, red, tan, green.
Boiling Point:	Not Established
Freezing Point:	Not Established
Specific Gravity:	1.000 to 1.100 (water=1) at (74°F)
Viscosity:	400 to 900 Centipoise at (74°F)

Section X – Stability and Reactivity Data

Conditions to Avoid: Temperature extremes. Container contamination. Moisture.

Stability: Stable under recommended storage conditions. **Polymerization:** May occur with certain contaminations. **Hazardous Decomposition Products:** Oxides of carbon and nitrogen.

Incompatible Materials: Isocyanates, acids, and oxidizing agents.

Section XI – Toxicological Information

Ingredients	Oral LD ₅₀ (rat)	Dermal LD ₅₀ (rabbit)	Inhalation LC ₅₀ (rat)
Poly(oxy(methyl-1,2-ethanediyl)),alpha-(2-aminomethylethyl) omega-2-aminomethlethoxy)	480 mg/kg	2090 mg/kg	not available
Diethylmethylbenzenediamine	485 mg/kg	700 mg/kg	not available
Glyceryl poly(oxypropylene) triamine	> 2000 mg/kg	not available	not available

Section XI – Toxicological Information (continued)

Eye Effects: The vapor, aerosol, and liquid are irritant.

Skin Effects: Some components of this formulation may cause skin irritation. Prolonged exposure may cause skin burns.

Carcinogenicity: Not classified as a carcinogen by IARC, NTP or OSHA.

Section XII – Ecological Information

General Comments: No testing for product as a whole.

Section XIII – Disposal Considerations

Disposal Method: Disposal should be in accordance with local, state, provincial, or national regulations. **Empty Container:** Empty containers should be decontaminated and either passed to an approved drum recycler or destroyed. **RCRA/EPA Waste Information:** The generation of waste should be avoided or minimized whenever possible. Chemical waste, even small quantities, should never be poured down drains, sewers or waterways. **RCRA Hazard Class:** This material is not a hazardous waste under RCRA 40 CFR 261. The treated waste is not a hazardous material under RCRA 40 CFR 261. **Comments:** Refer to Section VI for additional information.

Section XIV – Transport Information

DOT (Department of Transportation)

Proper Shipping Name: Amines, Liquid, Corrosive, N.O.S.

Technical Name: Polyoxypropylene diamine

Primary Hazard Class/Division: 8 **UN/NA Number:** UN2735 **Packing Group:** III

Section XV – Regulatory Information

United States

DOT Label and Hazard Classification: DOT Corrosive

Sara Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories: Immediate health hazard. Delayed health hazard.

313 Reportable Ingredients: This product does not contain any chemical components with known CAS numbers that exceed their *de minimis* reporting levels.

CERCLA (Comprehensive Response, Compensation, and Liability Act)

CECLA Regulatory: No chemicals in this material with known CAS numbers are subject to the reporting requirements of CERCLA.

TSCA (Toxic Substance Control Act)

TSCA Regulatory: All ingredients are on TSCA inventory.

RCRA Status: Not hazardous if discarded in its purchased form. However, under RCRA, it is the responsibility of the product user to determine at the time of disposal whether a material containing the product or derived from the product should be classified as a hazardous waste (40 CFR 261.20-24).

OSHA Hazard Comm. Rule: This material is classified as a hazardous material under the criteria outlined in the OSHA Hazard Communication Standard (HCS) 929 CFR 1910.1200).

Section XVI – Other Information

Prepared by: L.P.

HMIS Rating: Health – *3, Flammability – 1, Physical Hazard – 0

HMIS Rating Notes: If present, the asterisk signifies a chronic health hazard.

Rating System: 0 = low hazard to 4 = high hazard.

Section XVI – Other Information (continued)

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Comments:

Key Legend Information:

ACGIH: American Conference of Governmental Industrial Hygienists

EPA: Environmental Protection Agency

IARC: International Agency for Research on Cancer

NTP: National Toxicology Program

OEL: Occupational Exposure Limit

OSHA: Occupational Safety and Health Administration

PEL: Permissible Exposure Limit

STEL: Short Term Exposure Limit

TLV: Threshold Limit Value

TWA: Time Weighted Average

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