

MATERIAL SAFETY DATA SHEET**MGP 77 B**

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME: Mountain Grout

PRODUCT NAME: MGP 77 B

DISTRIBUTED BY

Green Mountain International, LLC

235 Pigeon Street

Waynesville, NC 28786

800-942-5151 US/Canada * 828-456-9970 International

24 HOUR EMERGENCY TELEPHONE NUMBER

Chemtrec: United States 800-424-9300

International 703-527-3887

2. COMPOSITION / INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>Wt.%</u>	<u>CAS</u>
Poly(oxy(methyl-1-1,2-ethanediyl)),alpha-(2-aminomethylethyl) omega-2-aminomethlethoxy)	40-55	9046-10-0
Diethylmethylbenzenediamine	10-25	68479-98-1
N,N'-dialkylamino-diphenylmethane	10-25	5285-60-9
Glyceryl poly(oxypropylene) triamine	<= 10	64852-22-8

3. HAZARDS IDENTIFICATION**EMERGENCY OVERVIEW**

PHYSICAL APPEARANCE: Liquid. Various colors, including but not limited to: white, off-white, black, gray, beige, blue, orange, and red.

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.

4. 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. Get immediate medical attention.

INGESTION: Do not induce vomiting. Never give anything by mouth to a drowsy or unconscious person. If the individual is conscious, rinse mouth with water. Give 1 to 2 cups of water to drink. Get immediate medical attention.

INHALATION: Remove individual from exposure, keep warm and at rest. If dizzy or shows signs of respiratory distress, obtain immediate medical attention.

5. FIRE FIGHTING MEASURES

FLASHPOINT AND METHOD: > 200 °F (Closed Cup)

EXTINGUISHING MEDIA: Dry Chemical, Carbon Dioxide, Chemical Foam

HAZARDOUS COMBUSTION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

FIRE FIGHTING PROCEDURES: Isolate fuel supply from fire. Use water spray to cool fire-exposed surfaces and containers. Avoid spreading burning liquid with water used for cooling purposes. Fire fighters should wear self-contained breathing apparatus in addition to emergency fire fighting protective clothing.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Clean up spills wearing proper personal protective equipment. (See section 8)
Absorb with dry chemical absorbent, earth, sand, or any other inert material. Place in a chemical

waste container.

LARGE SPILL: Eliminate all ignition sources. Evacuate and ventilate the area. Create a dike or trench to contain materials. Prevent entry into waterways, sewers, basements or confined areas. Clean-up personnel should wear appropriate personal protection equipment. (see section 8) May be a slipping hazard. Absorb with dry chemical absorbent, earth, sand, or any other inert material. Place in a chemical waste container. Wash residues from area with soap and water and rinse. Contaminated water should be retained and not allowed to flow into ground or surface water.

SPECIAL PROTECTIVE EQUIPMENT: See Section 8. Clean-up crews should always wear Personal Protective Equipment.

COMMENT: 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.

7. HANDLING AND STORAGE

HANDLING: Wear proper personal protective equipment. Use in a well ventilated area. Avoid smoking, bare lights, or ignition sources. Avoid physical damage to containers. Practice good hygiene procedures.

STORAGE: Protect from atmospheric moisture. Keep containers sealed in order to avoid contamination. Do not reseal if contaminated. Store indoors in a cool, well-ventilated area.

STORAGE TEMPERATURE: 55 °F – 120 °F

SHELF LIFE: 6 months

SPECIAL SENSITIVITY: Material is hygroscopic and may absorb small amounts of atmospheric moisture.

COMMENT: See Section 10 for more information on precautions concerning storage and handling of this material.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES:

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

<u>CHEMICAL NAME</u>	<u>EXPOSURE LIMITS</u>					
	<u>OSHA PEL</u>		<u>ACGIH TLV</u>		<u>SUPPLIER OEL</u>	
	ppm	mg/m ³	ppm	mg/m ³	ppm	mg/m ³
Poly(oxy(methyl-1-1,2-ethanediy)),alpha-(2-	TWA	NE	NE	NE	NE	
aminomethylethyl) omega-2-aminomethlethoxy)						
Diethylmethylbenzenediamine	TWA	NE	NE	NE	NE	
N,N'-dialkylamino-diphenylmethane	TWA	NE	NE	NE	NE	
Glyceryl poly(oxypropylene) triamine	TWA	NL	NL	NL	NL	

KEY:

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.

SKIN: Wear gloves and clothing to cover exposed skin.

RESPIRATORY: During application, if exposure of product can exceed the PEL/TLV, use appropriate respiratory protection to protect from overexposure.

WORK HYGIENIC PRACTICES: Follow good normal hygiene practices. Avoid contact with skin. Avoid eating, drinking, or smoking while using this product. Wash hands thoroughly after use.

OTHER PROTECTIVE EQUIPMENT: Safety showers and eye wash stations.

9. PHYSICAL AND CHEMICAL PROPERTIES

PHYSICAL STATE: Liquid

ODOR: Mild amine

COLOR: Various colors, including but not limited to: white, off-white, black, gray, beige, blue, orange, and red.

BOILING POINT: Not Determined

FREEZING POINT: Not Determined

SOLUBILITY IN WATER: Soluble

SPECIFIC GRAVITY: 1.000 – 1.100 (water = 1) at 77 °F

VISCOSITY: 400 – 900 Centipoise at 77 °F

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Temperature extremes. Container contamination. Moisture.

STABILITY: Stable under recommended storage conditions.

POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide

INCOMPATIBLE MATERIALS: Acids, Oxidizing agents

11. TOXICOLOGICAL INFORMATION

ORAL DERMAL INHALATION

	<u>LD₅₀ (rat)</u>	<u>LD₅₀ (rabbit)</u>	<u>LC₅₀ (rat)</u>
Poly(oxy(methyl-1-1,2-ethanediyl)),alpha-(2-aminomethylethyl) omega-2-aminomethlethoxy)	480 mg/kg	2090 mg/kg	
Diethylmethylbenzenediamine	485 mg/kg	700 mg/kg	
N,N'-dialkylamino-diphenylmethane	1380 mg/kg	3090 mg/kg	
Glyceryl poly(oxypropylene) triamine	> 2000 mg/kg		

EYE EFFECTS: Severe irritant.

SKIN EFFECTS: Moderate to severe irritant.

CARCINOGENICITY

IARC: Not classified as a carcinogen.

NTP: Not classified as a carcinogen.

OSHA: Not classified as a carcinogen.

MUTAGENICITY: There is no substantial evidence of mutagenic potential.

REPRODUCTIVE EFFECTS: No adverse reproductive effects are anticipated.

12. ECOLOGICAL INFORMATION

COMMENTS: No testing for product as a whole.

13. 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 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: 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. Refer to Section 6 for additional information.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)

PROPER SHIPPING NAME: Amines, Liquid, N.O.S.

TECHNICAL NAME: Polyoxypropylene

PRIMARY HAZARD CLASS: 8

UN NUMBER: UN2735

PACKING GROUP: III

LABEL: Corrosive

15. REGULATORY INFORMATION

UNITED STATES

SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)

311/312 HAZARD CATEGORIES: Immediate

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)

This product contains no chemicals which are reportable under 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).

16. OTHER INFORMATION

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

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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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