

# **Bomanite Epoxy Mortar Resin Part B**



## **Material Safety Data Sheet**

Bomanite LLC  
34501 East Quincy Ave. Building 28  
Watkins, CO 80137

## **HMIS Ratings**

Health: 2  
Flammability: 1  
Reactivity: 0  
Personal Protection See VII  
Equipment:

**Emergency Telephone Number:**

**Chemtrec: (800) 424-9300**

**Notice:** The following information is accurate to the best of our knowledge and is offered in good faith. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in specific context of the intended use and determine whether they are appropriate.

### **I. IDENTIFICATION**

Product Name: Bomanite Epoxy Mortar Resin Part B  
Synonymous: N/A  
Chemical Family: Polyamine solution  
Chemical Formula: Proprietary  
D.O.T. Hazard Class: Amines, Liquid, corrosive, N.O.S. (TRIS-2,4,6 – (DIMETHYL AMINOMETHYL) PHENOL) // 8 // UN2735 // PG III.  
Appearance & Odor: Amber viscous liquid, phenolic odor.

### **II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS**

<b><i>Composition</i></b>	<b><i>%</i></b>	<b><i>OSHA TWA</i></b>	<b><i>ACGIH TLV</i></b>	<b><i>CAS NO.</i></b>
Polyoxypropylenediamine	30-60	NE	NE	009046-10-0
2-methyl-2,4-pentanediol	30-60	NE	NE	000107-41-5
Aminoethyl piperazine	15-40	NE	NE	000140-31-8
Triethylenetetramine	7-13	NE	NE	000112-24-3
Tris-2,4,6 dimethyl aminomethyl phenol	7-13	NE	NE	000090-72-2

### **III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS**

Specific Gravity: 0.96 (H<sub>2</sub>O=1)  
Boiling Point: >250 °F (121 °C)  
Melting Point: 32 °F (0 °C)  
Vapor Pressure: N/A  
Vapor Density: N/A  
Evaporation Rate: N/A  
Solubility In Water: < 1%

#### **IV. FIRE EXPLOSION & REACTIVITY DATA**

Flash Point:	230 °F (110 °C) Pensky-Martin Closed Cup
Flammable Limits:	N/A
Firefighting Media:	Ignition may give rise to class B fire. In case of fire use water fog, carbon dioxide, dry chemical, alcohol foam.
Firefighting Procedure:	N/A
Special Firefighting Procedure:	None likely with small quantities. For large quantities, firefighters should wear butyl rubber boots, gloves and body suit. Self-contained breathing apparatus should be worn. Water spray is useful in cooling fire-exposed vessels and in dispersing vapors.
Unusual Fire Hazards:	May generate toxic or irritating combustion products. Sudden reaction and fire may result if product is mixed with an oxidizing agent.
Reactivity:	Stable
Incompatibilities:	Oxidizing agents (peroxides, nitrates), acids.
Decomposition or Byproducts:	Carbon dioxide, carbon monoxide, ammonia. Nitrogen oxides can be produced if heated, burned or reacted with incompatible materials.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None.

#### **V. HEALTH HAZARD DATA**

Inhalation:	Vapors may cause damage to contacted tissue and produce scarring. Repeated or prolonged exposures can cause tightness of chest, shortness of breath and cough.
Skin Contact:	Undiluted product quickly causes irritation, may cause chemical burns. Repeated or prolonged contact may cause allergic reaction/sensitization, defatting of skin, rash and irritation.
Eye Contact:	Severe irritant. May cause burns. Vapor may cause lacrimation and reversible corneal edema. Repeated or prolonged contact may cause conjunctivitis or corneal damage.
Ingestion:	May cause irritation and bleeding of the gastrointestinal tract. Repeated or prolonged contact may cause scarring of the affected tissues.
Aggravated Medical Conditions:	Asthma, bronchitis, emphysema; eye disease; skin disorders and allergies.
Overexposure Effects:	Lacrimation of eyes, skin irritation, dizziness.
Carcinogenicity:	This product does not contain 0.1% or more of any substance that is listed as a carcinogen by NTP, IARC or OSHA.

### ***Emergency and First Aid Procedures***

Inhalation:	Remove to fresh air. Give assisted respiration if breathing has stopped or is labored; call a physician.
Skin Contact:	Remove product and flush affected area with water for 15 minutes. If irritation persists, get medical attention. Victims of major skin area should remain under medical observation for 24 hours.
Eye Contact:	Flush eyes with plenty of water for 15 minutes. Get medical attention.
Ingestion:	If conscious, give large quantities of water or milk. Do not induce vomiting; get medical attention.

### **VI. SPILL PROCEDURES & WASTE DISPOSAL**

Spill:	Shut off sources of ignition. Cover spills with absorbent material. Place in metal containers for recovery or disposal. Prevent entry into sewers, storm drains and waterways.
Waste Disposal:	Incineration is preferred. Dispose of in accordance with Federal, State and Local regulations. Chemical and/or biological degradation is feasible.
Precautions for Safe Handling And Storage:	Keep away from oxidizers, heat or flame. Store and handle in well ventilated areas. Keep cool, dry and in closed containers.
Other Precautions:	N/A

### **VII. PROTECTIVE CONTROL MEASURES**

Respirator:	None required in adequately ventilated areas. If vapor concentration exceeds 20 ppm for longer than 15 minutes, a NIOSH approved respirator for organic vapors is recommended.
Ventilation:	General and local exhaust.
Special:	Emergency showers and eye wash stations should be readily available.
Protective Gloves:	Nitrile rubber gloves.
Eye Protection:	Wear chemical splash proof goggles or chemical safety glasses.
Other Protective Clothing Required:	Long sleeve shirts and trousers.

### ***Work/Hygiene Practices***

Wash hands after use and before eating, drinking or smoking.