

# Bomanite Crack Repair Kit Part B



## Material Safety Data Sheet

Bomanite Corporation  
232 S. Schnoor Ave.  
Madera, CA 93637

## HMIS Ratings

Health: 2  
Flammability: 1  
Reactivity: 1  
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 Crack Repair Kit Part B  
Synonymous: N/A  
Chemical Family: Polyamines  
Chemical Formula: Proprietary  
D.O.T. Hazard Class: N-Aminoethylpiperazine, Mixture, 8, UN2815, III  
Appearance & Odor: Amber liquid, ammoniacal odor

### II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

<b>Composition</b>	<b>%</b>	<b>OSHA PEL</b>	<b>ACGIH TLV</b>	<b>CAS NO.</b>
Dinonyl Phenol (DNP)	12-22	N/A	N/A	1323-65-5
Amino Ethyl Piperazine (AEP)	20-30	N/A	N/A	140-31-8
Diethylenetriame (DETA)	1-2	1 ppm	1 ppm	111-40-0

### III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H<sub>2</sub>O=1): 0.95  
Boiling Point: 600 °F (300 °C) (DNP)  
Melting Point: N/A  
Vapor Pressure: N/A  
Vapor Density: Heavier than air  
Evaporation Rate: N/A  
Solubility In Water: 30%

### IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: 210 °F (99 °C) (PMCC)  
Flammable Limits: LEL: 1.8% UEL:N/A  
Firefighting Media: Carbon dioxide, foam, dry chemical and water fog  
Special Firefighting Procedure: Self-contained respirator equipment and full protective clothing required when smoke or fumes are generated. Electrical grounding not recommended.

Unusual Fire Hazards: N/A  
Reactivity: Stable  
Incompatibilities: Strong oxidizing agents, acids, epoxy resins, isocyanates and organic peroxides may result in violent explosive reactions.  
Decomposition or Byproducts: Carbon monoxide, carbon dioxide, nitrogen oxides, aldehydes and various hydrocarbons from incomplete combustion.  
Hazardous Polymerization: Will not occur.  
Conditions to Avoid: N/A

## V. HEALTH HAZARD DATA

Inhalation: Low degree of volatility. At higher temperatures it is possible for vapors to be generated; the vapors are very disagreeable. This material may result in irritation of throat, lungs, and allergic type reaction or sensitization in some individuals.

Skin Contact: Short single exposure may cause moderate irritation to mild burn. Prolonged or repeated exposure may cause a severe burn. May result in an allergic reaction or sensitization response in some individuals. AEP and DETA may be absorbed through skin in moderately toxic amounts.  
LD (50) CAS 140-31-8 880 mg/kg (rabbit)  
LD (50) CAS 111-40-0 880 mg/kg (rabbit)

Eye Contact: Can cause severe burns. At higher temperatures vapors can cause severe irritation, redness, tearing or blurred vision. Corneal injury is possible.

Ingestion: Intake can cause gastrointestinal irritation, nausea, vomiting, diarrhea headache and drowsiness. Can result in burns of mouth, esophagus and stomach.  
LD (50) CAS 140-31-8 2140 mg/kg (rabbit)  
LD (50) CAS 111-40-0 340 mg/kg (rabbit).

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

Inhalation: Remove victim from exposure. If difficulty with breathing, administer oxygen and seek immediate medical attention.

Skin Contact: Wash with soap and water for at least 15 minutes. Remove contaminated clothing and wash before reuse. Destroy contaminated leather. Seek medical attention if irritation persists.

Eye Contact: Flush eyes with water and/or 1% boric acid, lifting upper and lower lids occasionally for 30 minutes. Seek prompt medical attention.

Ingestion: Do not induce vomiting. Give large quantities of water or vinegar diluted with water. Get immediate medical attention. If vomiting occurs spontaneously, keep head below hips to prevent aspiration of liquid to lungs. Do not give anything by mouth to an unconscious person.

## VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill:	Ventilate area. Wear appropriate protective gear. Contain spill. Clean up residue with absorbent material. Wash down area with water and diluted acetic acid.
Waste Disposal:	Handle disposal of waste material in manner which complies with Federal, State and Local regulations. Landfill if solidified or incinerate at agency approved waste disposal facility.
Precautions for Safe Handling And Storage:	Keep containers tightly sealed. Store in a dry and cool area. Avoid freezing conditions.
Other Precautions:	This is a commercial product, not intended for home use. Keep out of reach of children.

## VII. PROTECTIVE CONTROL MEASURES

Respirator:	If temperature is above 140 °F (60 °C), a positive pressure breathing apparatus is recommended. Wear respirator protection whenever airborne concentration exceeds TLV ceilings or TWA, use NIOSH approved respirators for listed hazards. Confined spaces, rooms or tanks are areas where concerns for TLV's is especially important. Reference CFR 29 1910.134 for recommended respiratory protection.
Ventilation:	Ventilation at normal room temperature is a means of controlling vapor properly.
Special:	N/A
Protective Gloves:	Depending on operation
Eye Protection:	Chemical goggles
Other Protective Clothing Required:	Depending on operation

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

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