Bomanite Epoxy Mortar Resin Part A

Your Single Source For Innovative Architectural Concrete Solutions

Material Safety Data Sheet
The Bomanite Company
8789 Auburn Folsom Rd. #108
Granite Bay, CA 95746

HMIS Ratings

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

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 A
Synonymous:	N/A
Chemical Family:	Epoxy resin dispersion
Chemical Formula:	Proprietary
D.O.T. Hazard Class:	Resin compound, not regulated
Appearance & Odor:	Pigmented, mobile liquid, ester (sweet) odor.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	*%*	*OSHA TWA*	*ACGIH TLV*	*CAS NO.*
Bisphenol a/epichlorohydrin based epoxy resin	30-60	NE	NE	025068-38-6
Calcium carbonate	5-10	15 mg/m^3	10 mg/m^3	001317-65-3
Silicon dioxide (ground silica)	10-30	10 mg/m^3 (SiO_2 + 2)	0.1 mg/m^3	014808-60-7
2-ethyl hexyl glycidyl ether	5-10	NE	NE	002461-15-6
Benzyl alcohol	5-10	NE	NE	000100-51-6
Titanium dioxide	3-7	10 mg/m^3	10 mg/m^3	013463-67-7
Iron oxide	1-5	10 mg/m^3	10 mg/m^3	001309-37-1
1-methoxy-2-propanol acetate	0.1-1	NE	NE	000108-65-6
2,6-dimethyl-4-heptanone	0.1-1	25 mg/m^3	25 mg/m^3	000108-83-8
4,6-dimethyl-2-heptanone	0.1-1	NE	NE	019549-80-5
Silane, dimethyldichloro-, reaction product with silica	0.1-1	NE	NE	067762-90-7
Carbon black	<0.1	3.5 mg/m^3	3.5 mg/m^3	001333-86-4

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H_2O=1): 1.26

Boiling Point:	> 218 F (103 C)
Melting Point:	N/A
Vapor Pressure:	< 0.1
Vapor Density:	N/A
Evaporation Rate:	N/A
Solubility In Water:	< 0.5%

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point:	> 201 F (94 C)
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 (perchlorates, nitrates), strong acids, hypochlorites, and peroxides.
Decomposition or Byproducts:	Carbon monoxide, carbon dioxide, aldehydes, acids.
Hazardous Polymerization:	Will not occur.
Conditions to Avoid:	None.

V. HEALTH HAZARD DATA

Inhalation:	Inhalation of mists may cause respiratory tract irritation. Coughing and chest pain my result.
Skin Contact:	Transient irritation, redness and discomfort. Repeated or prolonged contact may cause allergic reaction/sensitization.
Eye Contact:	May cause mild irritation.
Ingestion:	Low order of toxicity.
Aggravated Medical Conditions:	Skin disorders and allergies.
Overexposure Effects:	Lacrimation of eyes, skin irritation, dizziness.
Carcinogenicity:	Silica is listed with IARC as a class 2a carcinogen. Contains crystalline silica which can cause lung damage and cancer. Risk depends on duration and level of exposure.

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.
Eye Contact:	Flush eyes with plenty of water for 15 minutes. Call a physician.
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. Appropriate respiratory protection required when exposure to airborne contaminants may exceed acceptable limits. NIOSH/MSHA approved respirator if required.
Ventilation:	No specific controls required. General and local exhaust recommended.
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.