

Bomanite Color Hardener



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

HMIS Ratings

Health: 2
Flammability: 0
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 Color Hardener – All Colors and Grades
Synonymous: N/A
Chemical Family: Mixture
Chemical Formula: Proprietary
D.O.T. Hazard Class: N/A
Appearance & Odor: Gritty powder of various colors, earthen odor

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	%	OSHA PEL	ACGIH TLV	CAS NO.
Silicate (Portland Cement)	>1	10 mg/m ³ (Total Dust) 5 mg/m ³ (Respirable)	10 mg/m ³	65977-15-1
Silicon Dioxide (Sand)	>1	10 mg/m ³	(0.1 mg/m ³) / (%SiO ₂ + 2)	14808-60-7 (Respirable as crystalline quartz)

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): 1.8
Boiling Point: N/A
Melting Point: N/A
Vapor Pressure: N/A
Vapor Density: N/A
Evaporation Rate: N/A
Solubility In Water: N/A

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: N/A
Flammable Limits: N/A
Firefighting Media: N/A
Special Firefighting Procedure: N/A
Unusual Fire Hazards: N/A
Reactivity: Stable

Incompatibilities: Contact with oxidizing agents such as fluorine, chlorine trifluoride, manganese trioxide, oxygen difluoride may cause fires.

Decomposition or Byproducts: Silica will dissolve in hydrofluoric acid and produce a corrosive gas - silicon tetrafluoride.

Hazardous Polymerization: Will not occur.

Conditions to Avoid: None

V. HEALTH HAZARD DATA

Routes of Entry: Inhalation: Yes
Skin Contact: No
Ingestion: No

Carcinogenicity: NTP? No IARC? Yes (Sand*) OSHA? No

* IARC Monographs (Volume 42, 1987) finds limited evidence of carcinogenicity to humans.

Health Hazards: Prolonged exposure to respirable crystalline quartz may cause delayed (chronic) lung injury (silicosis). Acute or rapidly developing silicosis may occur in a short period of time in heavy exposure in certain occupations such as sandblasters. Silicosis is a form of disabling pulmonary fibrosis, which can be progressive and may lead to death.

Signs/Symptoms Of Exposure: Coughing, sneezing and wheezing. Persons with existing pulmonary problems and persons exposed to heavy dust concentrations may have difficulty breathing.

Aggravated Medical Conditions: Persons with existing pulmonary disorders must avoid breathing any dust generated during the use of this product.

Emergency and First Aid Procedures

Inhalation: Remove to fresh air and see a physician.

Skin Contact: Flush with water and see a physician if irritation persists.

Eye Contact: Flush with water and see a physician if irritation persists.

Ingestion: N/A

VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill: Damp sweep or vacuum any spilled product.

Waste Disposal: According to Federal, State and Local regulations.

Precautions for Safe Handling And Storage: Store product in dry locations away from oxidizers as listed in Section V above. Minimize the creation of dust during application of this product to keep other persons upwind of the work area when possible.

Other Precautions: WARNING: Portland cement contains detectable amounts of chemicals known to the State of California to cause cancer, birth defects or other

reproductive harm. These are substances which occur naturally and are present in the mining process.

VII. PROTECTIVE CONTROL MEASURES

Respirator:	NIOSH-approved dust respirator for 5 x PEL or less. (Reference FED/OSHA 29CFR 1910.134)
Ventilation:	Yes
Special:	N/A
Protective Gloves:	Yes - as for any cement product.
Eye Protection:	Yes - if heavy dusting expected.
Other Protective Clothing Required:	Optional - coveralls to keep personal clothing free of dust.

Work/Hygiene Practices

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