

Bomanite HydroLock



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

HMIS Ratings

Health: 1
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 HydroLock
Synonymous: N/A
Chemical Family: N/A
Chemical Formula: Proprietary
D.O.T. Hazard Class: Not regulated
Appearance & Odor: Milky white liquid, slight ammonia odor.

II. HAZARDOUS COMPONENTS & EXPOSURE LIMITS

Composition	%	OSHA TWA	ACGIH TLV	CAS NO.
Dowanol-eb	2.4	10 ppm	25 ppm (skin)	111-76-2
Ammonia	0.9 max	25 ppm	Not established	7664-41-7

III. TYPICAL PHYSICAL & CHEMICAL CHARACTERISTICS

Specific Gravity (H₂O=1): 0.95-1.2
Boiling Point: 212 °F (100 °C)
Melting Point: 32 °F (0 °C)
Vapor Pressure: 17 @ 68 °F (20 °C)
Vapor Density: Variable
Evaporation Rate: < 1 (Butyl Acetate=1)
Solubility In Water: Dilutable

IV. FIRE EXPLOSION & REACTIVITY DATA

Flash Point: Non-combustible
Flammable Limits: N/A
Firefighting Media: N/A

Firefighting Procedure: Non-flammable

Special Firefighting Procedure: N/A

Unusual Fire Hazards: Material can splatter above 212 °F (100 °C)

Reactivity: Stable

Incompatibilities: None known

Decomposition or Byproducts: N/A

Hazardous Polymerization: Will not occur.

Conditions to Avoid: Decomposition is dependent on time and temperature. Onset of decomposition is 350 °F (177 °C)

V. HEALTH HAZARD DATA

Inhalation: Vapor or mist can irritate the nose and throat and cause drowsiness, slurred speech, headache, nausea, dizziness, stupor and unconsciousness.

Skin Contact: Moderately irritant to skin. Can be absorbed through intact skin in harmful amounts.

Eye Contact: Substantially irritating to eyes, may cause corneal injury.

Ingestion: N/A

Signs and Symptoms Of Exposure: Drowsiness, slurred speech, headache, nausea, dizziness, stupor and unconsciousness.

Aggravated Medical Conditions: Systemic Effects: Overexposure to these minor solvents by any route can cause lung, liver & kidney damage and blood changes. Blood may appear in the urine.

Emergency and First Aid Procedures

Inhalation: Move subject to fresh air.

Skin Contact: Wash affected areas with soap and water. If irritation persists, consult a physician.

Eye Contact: Flush eyes with large amount of water for at least 15 minutes. If irritation persists, consult a physician.

Ingestion: If swallowed, dilute by giving 2 glasses of water to drink. See a physician. Never give anything by mouth to an unconscious person. (Note to physician: glycol ethers can cause delayed kidney and liver damage. If swallowed, careful evacuation of the stomach is advised.)

VI. SPILL PROCEDURES & WASTE DISPOSAL

Spill: Keep spectators away. Floor may be slippery; use care to avoid falling. Dike and contain spill with inert material (e.g., sand, earth). Transfer liquid to containers for recovery or disposal and solid diking material to separate containers for disposal. Keep spills and cleaning runoffs out of municipal sewers and open bodies of water.

Waste Disposal: Coagulate the emulsion by the stepwise addition of ferric chloride and lime. Remove the clear supernatant liquid and flush to a chemical sewer. Incinerate the solids and contaminated diking material at a permitted facility according to current Federal, State and Local regulations.

Precautions for Safe Handling And Storage: Keep from freezing, product may coagulate.

Other Precautions: N/A

VII. PROTECTIVE CONTROL MEASURES

Respirator: Wear suitable respirator (MSHA/NIOSH approved or equivalent) where exposure limits are exceeded.

Ventilation: Yes

Special: N/A

Protective Gloves: Impervious

Eye Protection: Chemical splash goggles (ANSI Z-87.1 or approved equivalent).

Other Protective Clothing Required: N/A

Work/Hygiene Practices

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