

Material Safety Data Sheet

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Section 1: Chemical Product and Company Identification

Date Prepared: 08/10/2010
Catalog Code: **PMB1N, PMB3N**
Product: **ProMag™ Bind-IT™ Microsphere Suspension**
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.
9025 Technology Drive
Fishers, Indiana 46038

Section 2: Composition / Information on Ingredients

Iron oxide dispersed in functionalized polymer suspended in an aqueous system.

Section 3: Hazard Identification

Classification: Classified as hazardous according to the criteria of EU Annex 1 and NOHSC.
Eyes: Mild irritation
Skin: Short exposure: no irritation. Repeated prolonged exposure (especially if confined): mild irritation; possibly a mild superficial burn.
Skin Adsorption: Not likely to be absorbed in toxic amounts. Possibly a weak sensitizer.
Ingestion: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. May be harmful if swallowed. May cause irritation. May have a limited carcinogenic effect and a possible risk of impaired fertility.
Systemic: Human effects not established.

Section 4: First Aid Measures

Eyes: Flushing the eye immediately with water for 15 minutes is a good safety practice. Assure adequate flushing by separating eyelids with fingers.
Skin: Contact may cause slight irritation. Wash off in flowing water or shower. Wash clothing before reuse. Treat as any contact dermatitis. If burn is present, treat as any thermal burn.
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Induce vomiting if large amounts are ingested. Call a physician.
Systemic: Human effects not established. No specific antidote. Treatment based on sound judgment of physician and the individual reactions of the patient.

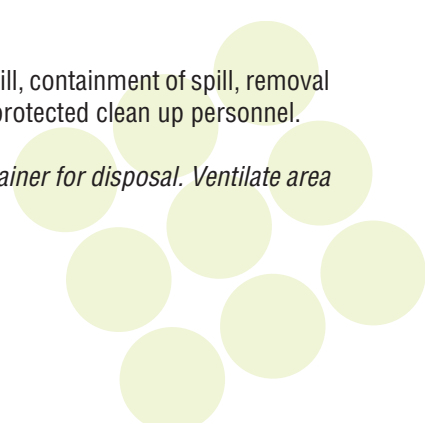
Section 5: Fire-Fighting Measures

Extinguishing Media: Water spray
Special Firefighting Precautions: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Unusual Fire & Explosion Hazards: Emits toxic fumes under fire conditions.

Section 6: Accidental Release Measures

Any information listed below is to be considered in addition to internal guidelines for isolation of spill, containment of spill, removal of ignition sources from immediate area, and collection for disposal of spill by trained, properly protected clean up personnel.

Avoid unnecessary exposure and contact. Absorb on sand or vermiculite and place in closed container for disposal. Ventilate area and wash spill site after material pickup is complete.



Section 7: Handling and Storage

Handling: Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.
Storage: Keep from freezing. Store at 2-8°C.

Section 8: Exposure Controls and Personal Protection

Respiratory Protection: None normal needed. See Section 7.
Personal Protective Equipment: Wear gloves and chemical safety goggles.
Wash / Hygienic Practices: Wash with soap and water when leaving work area and before eating, smoking, and using restroom facilities.

Section 9: Physical and Chemical Properties

Boiling Point: Softens at ~90°C
Glass Transition Temperature: Not applicable
Density: 1-2.33 g/cc
Appearance & Odor: Particles are dark brown; suspension is clear to greenish. Faint or non-detectable odor.

Section 10: Stability and Reactivity

Stability: Stable under normal conditions. See Section 7.
Incompatibilities: May irreversibly aggregate if frozen at 0°C/32°F. Addition of chemicals may cause coagulation.
Hazardous Combustion or Decomposition Products: Dried resin is combustible. If burned, produces a dense, black smoke and noxious gasses (carbon monoxide and hydrocarbons).

Section 11: Toxicological Information

Skin Contact: May cause skin irritation.
Skin Absorption: May be harmful if absorbed through the skin.
Eye Contact: May cause eye irritation.
Inhalation: May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion: May be harmful if swallowed.

Section 12: Ecological Information

No data

Section 13: Disposal Considerations

In large amounts, will color streams and rivers. Has practically no biological oxygen demand, but will settle out and form sludge or film. Large amounts may plug up sanitary sewers. Follow the same federal, state, and local governmental regulations as for other biological reagents and buffers.

Section 14: Transport Information

No data

Section 15: Regulatory Information

No data

Section 16: Other Information

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END OF MSDS

