

Material Safety Data Sheet

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Section 1: Chemical Product and Company Identification

Date Prepared: 12/02/2008
Part Name: **Amorphous Silica**
Supplier: Bangs Laboratories, Inc. / A Division of Polysciences, Inc.
9025 Technology Drive
Fishers, Indiana 46038

Section 2: Composition / Information on Ingredients

Silica suspended in water or as a dry powder.

Section 3: Hazard Identification

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: low single dose toxicity; ingestion of large quantities may disrupt the digestive system and cause mild nausea
Inhalation: prolonged or repeated inhalation of product dust may cause dryness and/or irritation of upper respiratory tract
Systemic & Other Effects: none known

Section 4: First Aid Measures

Eyes: Flushing the eye immediately with water for 15 minutes is a good safety practice. Physician should stain for evidence of corneal injury.
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: Drink water to reduce bulk of drying effects.
Inhalation: Remove to fresh air if effects occur. Consult medical personnel.
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: use media appropriate for surrounding fire
Special Firefighting Procedures: not applicable
Unusual Fire & Explosion Hazards: none currently known

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.

Isolate affected area. Confine entry to those individuals properly protected. Special attention should be paid to eye and respiratory protection. Recovery of dry product can be expected to generate dust. Sweep, shovel, or vacuum material into appropriate container. Do not reuse product until a proper evaluation of the material is made.

Section 7: Handling and Storage

Ventilation: Good room ventilation is adequate for most operations.
Respiratory Protection: None normally needed. In cases where there is a likelihood of inhalation exposure to dried particles, wear a NIOSH approved dust respirator.

Storage: Keep from freezing. Store at 2-8°C. Material may develop bacteria odor on long-term storage. No safety problems known.

Section 8: Exposure Controls and Personal Protection

Respiratory Protection: None normally needed. In cases where there is a likelihood of inhalation exposure to dried particles, wear a NIOSH approved dust respirator.

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: >>>1000°C
Glass Transition Temperature: >>1000°C
Density: 1.9-2.0 g/cc
Solubility: insoluble
Appearance & Odor: white powder or white slurry

Section 10: Stability and Reactivity

Stability: Stable under normal conditions. See Section 7.
Incompatibilities: May irreversibly aggregate if frozen at 0°C/32°F.
Hazardous Combustion or Decomposition Products: None currently known.

Section 11: Toxicological Information

no data

Section 12: Ecological Information

no data

Section 13: Disposal Considerations

This product would not be considered a RCRA hazardous waste. Follow appropriate local, state, or federal regulations.

Section 14: Transport Information

no data

Section 15: Regulatory Information

no data

Section 16: Other Information

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END OF MSDS

