



Special Effects Equipment & Supplies

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For Chemical Emergency call Infotrac @ 1-800-535-5053

Material Safety Data Sheet

Section 1 - Product Identification

Product Name: PolySorb
Chemical Name: Polyacrylate

Section 2 - Hazardous Ingredients

<u>Chemical Name</u>	<u>CAS#</u>	<u>Percentage</u>
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Superabsorbent Polyacrylate

Exposure Limits	Permissible Exposure Limit:	N/A
	Ceiling Limits:	N/A
	Short Term Exposure Limit:	N/A
	Can be absorbed through skin?:	No

Section 3 - Physical/Chemical Characteristics

Boiling Point	N/A	Solubility in Water	Insoluble
Vapor Pressure (mm Hg)	N/A	Specific Gravity (H ₂ O = 1)	N/A
Vapor Density (Air = 1)	N/A	Melting Point	N/A
Appearance and Odor / Odor threshold	Odorless, white powder.		
Evaporation Rate (Butyl Acetate = 1)	N/A	PH	N/A
Freezing Point	N/A		

Section 4 - Fire and Explosion Data

Lower Explosive/Flammability Limit	N/A	Flash Point	N/A
Upper Explosive/Flammability Limit	N/A	Autoignition Temperature	N/A
Extinguishing Media	Water, water spray, foam, carbon dioxide (CO ₂), dry powder.		
Fire Fighting Measures	The product, when wet, renders surfaces extremely slippery. The product swells in water.		
Fire or Explosion Hazards	N/A		

Section 5 - Reactivity Data

Chemical Stability	Stable
Incompatibility	N/A
Hazardous Decomposition or Byproducts	At elevated temperatures (>572F), thermal decomposition may produce Nitrogen Oxides and carbon oxides. Additionally, in the event of oxygen depletion, hydrocyanic acid can be formed.
Hazardous Polymerization	Will not occur.

Section 6 - Health Hazard Data	
Routes of Entry	Eye Contact
Health Hazards	Eye contact can cause irritation.
Carcinogenicity	N/A
Signs and Symptoms of Exposure	Moderate eye irritation due to the effects all powders have on conjunctivae.
Medical conditions generally aggravated by exposure	N/A
Emergency and First Aid Procedures	<p>Eyes: Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician</p> <p>Inhalation and Skin Contact: No hazards which require special first aid measures.</p> <p>Ingestion: The product is not considered toxic based on studies on laboratory animals.</p>

Section 7 - Precautions for Safe Handling and Use	
Spill or Release Data	Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water. Avoid contamination of environmental waters.
Waste Disposal Method	Dispose of in accordance with federal, state and local regulations. Contaminated packaging can be landfilled or incinerated, when in compliance with local regulations.
Handling and Storage	Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday. Keep in a dry, cool place.
Other Precautions	N/A

Section 8 - Control Measures	
Respiratory Protection	Dust safety masks are recommended where concentration of total dust is more than 10mg/m ³ .
Protective Gloves	Recommended
Eye Protection	Safety glasses with side-shields. Do not wear contact lenses.
Other Protective Equip.	N/A
Ventilation	Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.
Work/Hygienic Practices	Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

To the best of our knowledge, the information contained above is accurate. However, neither the above named supplier nor any of its subsidiaries assume any liability whatsoever for the accuracy or completeness of the information contained above.

Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described above, we cannot guarantee that these are the only hazards that exist.

Prepared: October 2006