

Super Absorbent Polymers

Aquabag™

Material Safety Data Sheets

1. Identification of the product and the company

2. Composition/Information on Ingredients

Identification of the preparation: Super absorbent polycrylamite
Identification of the substance:

3. Hazards Identification

The product when wet renders surfaces extremely slippery.
The product swells in water.

4. First Aid Measures

Inhalation: No hazards which require special first aid measures.
Skin contact: No hazards which require special first aid measures.
Eye contact: Rinse thoroughly with plenty of water, also under the eyelids. In case of persistent eye irritation, consult a physician.
Ingestion: The product is not considered toxic based on studies on laboratory animals.

5. Fire-Fighting Measures

Suitable extinguishing media: Water, water spray, foams, carbon dioxide (C) 2), dry powder.
Fire extinguishing agents to avoid: None.
Special fire-fighting precautions: The product when wet renders surfaces extremely slippery. The product swells in water.
Protective equipment for firefighters: No special protective measures against fire required.

6. Accidental Release Measures

Personal precautions: No special precautions required.
Environmental precautions: Do not contaminate water.
Methods for cleaning up: Clean up promptly by scoop or vacuum. Keep in suitable and closed containers for disposal. After cleaning, flush away traces with water.

7. Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid dust formation. Do not breathe dust. Wash hands before breaks and at the end of workday.
Storage: Keep in a dry, cool place (0-35°C).

8. Exposure Controls / Personal Protection

Engineering controls: Use local exhaust if dusting occurs. Natural ventilation is adequate in absence of dusts.
Personal protection equipment
- Respiratory protection: Dust safety masks are recommended where concentration of total dust is more than 10 mg/m³.
- Hand protection: Gloves are recommended.
- Eye protection: Safety glasses with side-shields. Do not wear contact lenses.
- Skin protection: No special protective clothing required.
Hygiene measures: Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. Physical and Chemical Properties

Form:	Granular solid
Color:	White
Odor:	None
Melting point (°C):	Not applicable
Flash point (°C):	Not applicable
Auto-ignition temperature (°C):	Not applicable
Vapor pressure (mm Hg):	Not applicable
Bulk density:	See Technical Bulletin
Water solubility:	Insoluble
Viscosity (mPa s):	See Technical Bulletin

10. Stability and Reactivity

Stability:	Product is stable, No hazardous polymerization will occur.
Conditions to avoid:	No special precautions required.
Materials to avoid:	The product swells in water.
Hazardous decomposition products:	Thermal decomposition may produce hydrogen cyanide (hydrocyanic acid), nitrogen oxides (NO _x), and carbon oxides.

11. Toxicological Information

<u>Acute toxicity</u>	
- Oral:	Not toxic: LD50/oral/rat > 5000 mg/kg
- Dermal:	Not toxic: LD50/dermal/rabbit > 200mg/kg
<u>Irritation</u>	
- Skin:	Not irritating.
- Eyes:	Moderate eye irritation due to effects all powders have on conjunctivae.
Sensitization:	Not sensitizing.

12. Ecological Information

<u>Exotoxicity:</u>	
Ecological injures are not know or expected under normal use. Aquatic toxicity is unlikely due to low solubility.	
Persistence / degradability:	Not readily biodegradable, < 10% after 28 days.

13. Disposal Considerations

Waste from residues / unused products:	In accordance with federal, state, and local regulations.
Contaminated packaging:	Can be land filled or incinerated, when in compliance with local regulations.

14. Transport Information

Not regulated by DOT

15. Regulatory Information

All components of this product are on the TSCA and DSL inventories	
RCRA status:	Not a hazardous waste.
Hazardous waste number:	Not applicable
Reportable quantity (40 CFR 302):	Not applicable
Threshold planning quantity (40 CFR 302):	Not applicable

HMIS & NFPA		
Ratings	HMIS	NFPA
Health:	1	1
Flammability:	1	1
Reactivity:	0	0

Seller warrants that this product consists of the ingredients specified and is reasonably suitable for the purpose stated on this label when used in accordance with the directions under normal conditions of use. The information contained on this label is believed to be accurate and is intended solely for general guidance in the use of this product. It should not be construed as a guarantee of suitability for a particular application. The vendor offers no warranties, either expressed or implied, nor is liability accepted for errors or omissions in the general information provided.