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MATERIAL SAFETY DATA SHEET

REVISION DATE: 01/16/2001

PRINT DATE: 07/26/2001

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY

Polyacrylamide

Supplier : **Polymers, Inc./Watersorb.com**
200 Bafanridge
Hot Springs, AR 71901
Tel : 501-623-9918 Fax : 630-604-1966

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation : Superabsorbent polyacrylamide

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, foam, carbon dioxide (CO₂), 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

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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

<i>Form</i> :	Granular solid
<i>Color</i> :	white
<i>Odor</i> :	none
<i>Melting point (°C)</i> :	not applicable
<i>Flash point (°C)</i> :	not applicable
<i>Autoignition temperature (°C)</i> :	not applicable

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Vapour 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. The product swells in water.

Hazardous decomposition: At elevated temperatures (> 300°C), thermal decomposition may produce *nitrogen oxides* and *carbon oxides*. Additionally, in the event of oxygen depletion, hydrocyanic acid can be formed.

products :

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11. TOXICOLOGICAL INFORMATION**Acute toxicity**

- **Oral :** Not toxic : LD50/oral/rat > 5000 mg/kg.
- **Dermal :** Not toxic : LD50/dermal/rabbit > 2000 mg/kg

Irritation

- **Skin :** Not irritating
- **Eyes :** Moderate eye irritation due to effects all powders have on conjunctivae.

Sensitization : Not sensitizing.

12. ECOLOGICAL INFORMATION**Ecotoxicity:**

Ecological injuries are not known 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

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Waste from residues / unused products : In accordance with federal, state and local regulations.

Contaminated packaging : Can be landfilled 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 335) : Not applicable

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

16. OTHER INFORMATION

Person to contact :
Regulatory Affairs Manager

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication.

The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release, and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process unless specified in the text.