

MATERIAL SAFETY DATA SHEET

REVISION DATE: 4/1/2007

1. IDENTIFICATION OF THE PRODUCT AND THE COMPANY SAP – ALL PRODUCTS

Supplier : AYERS INTERNATIONAL, INC
P.O. Box 4312
Greenwich, CT 06831
Tel : 203-329-8919 Fax : 203-329-8966

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation : Superabsorbent Sodium Polyacrylate, Cross-linked
Identification of the substance :

3. HAZARDS IDENTIFICATION

The product when wet renders surfaces extremely slippery.
The product swells in water. May cause eye irritation. May cause respiratory tract irritation. May form explosive dust-air mixture.

4. FIRST AID MEASURES

Inhalation : Dust may cause irritation of the upper respiratory tract and lungs.
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 : Dust of this product suspended in air is flammable and poses a definite explosion hazard if ignited. 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 : Sweep up spilled material in suitable containers and dispose of according to applicable regulations. 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. Dust of this product suspended in air is flammable and poses a definite explosion hazard if ignited. Wash hands before breaks and at the end of workday.
Storage : Keep in a dry, cool place (0-35°C). Avoid atmospheric moisture.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls : Use local exhaust if dusting occurs. Use dust safety masks to keep occupational exposure below recommended level.
Personal protection equipment
- **Respiratory protection :** Dust safety masks are recommended where concentration of total dust is more than 0.05 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 : Powder or granular solid

Color : white

Odor : none

Melting point (°C) : not applicable

Flash point (°C) : not applicable

Autoignition temperature (°C) : not applicable

Vapor pressure (mm Hg) : not applicable

Bulk density : 0.55-0.70 g/cm³

Water solubility : Slightly soluble, absorbs water

Viscosity (mPa s) : Dry powder

10. STABILITY AND REACTIVITY

Stability : Product is stable, No hazardous polymerization will occur..

Conditions to avoid : Avoid contact with oxidizing materials, strong acids and strong bases. The product is hygroscopic and swells in water. May create slippery surfaces when wet.

Hazardous decomposition products :

Thermal decomposition may produce : nitrogen oxides (NO_x), carbon oxides, hydrocarbons, polymer fragments, trace amounts of acrylic monomer.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

- **Oral** : Not toxic : LD50/oral/rat > 2500 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:

- **Hydrolysis**: Does not hydrolyze.

- **Fish: Acute LC50 for Fathead minnow is 610mg/L**

- **Algae** : Aquatic toxicity on acute basis > 100mg/L in most sensitive species tested.

- **Daphnia** : Acute LC50 > 1000mg/L.

Bioaccumulation : Does not bioaccumulate.

Persistence / degradability : Not readily biodegradable.

13. DISPOSAL CONSIDERATIONS

Waste from residues / unused products :

In accordance with federal, state and local regulations.

Contaminated packaging : Can be landfilled or incinerated, when in compliance with federal, state and 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 355) Not applicable

California Proposition 65 information : The following statement is made in order to comply with the California Safe Drinking Water and Toxic Enforcement Act of

1986: This product contains no chemical(s) known to the State of

California to cause cancer, birth defects or other reproductive harm which would require a warning under this statute.

HMIS & NFPA Ratings

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.