



Superabsorbent Solve 202 Series

Material Safety Data Sheet

Date Issued: 10/10/09

Date Revised: 10/10/09

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SOLVE 202
CHEMICAL TYPE: Superabsorbent Polyacrylamide
COMPANY: WaterSolve, LLC, 4964 Starr St. S.E., Grand Rapids, MI 49546, USA
For Product information call 616-575-8693.
EMERGENCY PHONE: CHEMTREC: 1800 424-9300

2. COMPOSITION/INFORMATION ON INGREDIENTS

Identification of the preparation: Superabsorbent Polyacrylamide

3. HAZARDS IDENTIFICATION

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

4. FIRST AID MEASURES

Inhalation: Move to fresh air. 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-fighting precautions: Spills produce extremely slippery surfaces. The product swells in water.

Special Protective equipment for firefighters:

Wear self-contained breathing apparatus and protective suit.

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 vapors/dust. When preparing the working solution ensure there is adequate ventilation. When using do not smoke. Wash hands before breaks and at the end of workday.

Storage: Keep in a dry, cool place (0-35 deg. C). Keep away from heat and sources of ignition.

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: Rubber gloves.

Eye protection: Safety glasses with side-shields. Do not wear contact lenses where this product is used.

Skin protection: No special 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 | not applicable |
| Flash point (deg.C): | not applicable |
| Autoignition temp. (deg.C): | not applicable |
| Water solubility: | Insoluble |
| LogPow: | 0 |

10. **STABILITY AND REACTIVITY**

Stability: Stable. No hazardous polymerization will occur.

Conditions to avoid: No special precautions required. The product swells in water.

Hazardous decomposition Products: Thermal decomposition may produce: hydrogen cyanide (hydrocyanic acid), nitrogen oxides (NOX), carbon oxides.

11. **TOXICOLOGICAL INFORMATION**

Acute toxicity

Oral: Not toxic: LD50/oral/rat > 5000 mg/kg

Skin: Not toxic

Irritation

Skin: Not irritating

Eyes: Moderate eye irritation due to effects all powders have on conjunctive.

Sensitization: Not sensitizing.

12. **ECOLOGICAL INFORMATION**

Aquatic toxicity:

Toxicity to fish: Aquatic toxicity is unlikely due to low solubility.

Toxicity to daphnia: Aquatic toxicity is unlikely due to low solubility.

Toxicity to Algae: Aquatic toxicity is unlikely due to low solubility.

Environmental fate:

Persistence to degradability: Not readily biodegradable.

Hydrolysis: Does not hydrolyse

LogPow: 0

Bioaccumulation: Does not bioaccumulate.

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 local regulations.

14. **TRANSPORT INFORMATION**

Not classified as dangerous in the meaning of transport regulations.

15. **REGULATORY INFORMATION**

This product is not classified as dangerous and need not to be labeled according to EC_Directives as amended.

International Inventories:

European Union: (EINECS/ELINCS): Existing polymer according to the definition in the 7th Amendment to Directive 67/548/EEC. All starting materials and additives are listed in EINECS.

USA (TSCA): Complies with all applicable rules and orders under TSCA.

This information is for the specific material described only and may not be valid if the material is used in combination with any other materials or in any process. The user is responsible to determine the completeness of the information and suitability for the user's own particular use. The knowledge and belief of the company that the information is accurate and reliable as of the date indicated but the company makes no express or implied warranty of merchantability for the material or the information. The company makes no express or implied warranty of fitness for a purpose for the material or for the information.