

Superabsorbent Solve 200 Series

Material Safety Data Sheet

Date Issued: February, 2000

Date Revised: February, 2002

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SOLVE 200B**
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

*Irritating to eyes and skin.
Spills produce extremely slippery surfaces.*

4. FIRST AID MEASURES

Inhalation: Move to fresh air.

Skin Contact: Wash off immediately with soap and plenty of water. In case of persistent skin irritation, consult a physician.

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.

Special fire-fighting precautions: Spills produce extremely slippery surfaces.

Protective equipment for firefighters:
No Special protective equipment 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. When preparing the working solution ensure there is adequate ventilation. When using do not smoke.

Storage: Keep in a dry, cool place (0-35 deg. C). Keep away from heat and sources of ignition. Freezing will affect the physical condition and may damage the material.

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls: Use local exhaust if misting occurs. Natural ventilation is adequate in absence of mists.

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.

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
pH:	not applicable
Flash point (deg.C):	not applicable
Autoignition temp. (deg.C):	not applicable
Vapor pressure (mm Hg):	not applicable
Water solubility:	Insoluble

10. **STABILITY AND REACTIVITY**

Stability: Stable. No hazardous polymerization will occur.

Hazardous decomposition Products:

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

TOXICOLOGICAL INFORMATION

Accute toxicity

Oral: Not toxic: LD50/oral/rat > 5000 mg/kg
Dermal: Not toxic: LD50/dermal/rabbit >2000 mg/kg
Inhalation: The product is not expected to be toxic by inhalation.

Irritation

Skin: Not irritating
Eyes: Mild eye irritation.
Sensitization: non-sensitizing.

Chronic toxicity:

A two year feeding study on rats did not reveal adverse health effects. A one year feeding study on dogs did not reveal adverse health effects. Prolonged skin contact may defat the skin and produce dermatitis.

11. 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 (Zahn-Wellens test): <10% after 28 days.

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 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

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 a chemical(s) known to the state of California to cause cancer: residual acrylamide.

16. **OTHER INFORMATION**

NFPA HAZARD RATING (National Fire Protection Association)

Fire	1	Fire:	Materials that must be preheated before ignition can occur
Health	1	Health:	Materials, which on exposure under fire conditions, would offer no hazard beyond that of ordinary combustible material.
Reactivity	0	Reactivity:	Materials, which in themselves are normally stable, even under fire exposure conditions, and which are not reactive with water.
Special	–		

REASON FOR ISSUE:
new

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