



## Superabsorbent Solve 201 Series

### Material Safety Data Sheet

Date Issued: February, 2000  
Date Revised: 09/29/06

#### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SOLVE 201**  
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.  
The product swells in water.*

#### 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 (CO<sub>2</sub>), dry powder.  
**Special fire-fighting precautions:** Spills produce extremely slippery surfaces. The product swells in water.  
**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. Avoid dust formation. Do not breathe 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. Freezing will affect the physical condition and may damage the material.

## 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/m<sup>3</sup>.
- 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**

### **Acute 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.

## 11. **ECOLOGICAL INFORMATION**

### **Ecotoxicity:**

Hydrolysis:	Does not hydrolyze.
Fish:	Aquatic toxicity is unlikely due to low solubility.
Algae:	Aquatic toxicity is unlikely due to low solubility.
Daphnia:	Aquatic toxicity is unlikely due to low solubility.
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 local regulations.

## 14. **TRANSPORT INFORMATION**

Not regulated by DOT/IATA/IMO.

## 15. **REGULATORY INFORMATION**

All components of this product are on the TSCA and DSL inventories.

<b>RCRA status:</b>	Not a hazardous waste.
<b>Hazardous waste number:</b>	Not applicable
<b>Reportable quantity (40 CFR 302):</b>	Not applicable
<b>Threshold planning quantity (40 CFR 335):</b>	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.

NFPA HAZARD RATING (National Fire Protection Association)

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

16. **OTHER INFORMATION**

REASON FOR ISSUE:

new

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 WaterSolve, LLC, the information is accurate and reliable as of the date indicated but WaterSolve, LLC makes no express or implied warranty of merchantability for the material or the information. WaterSolve, LLC makes no express or implied warranty of fitness for a purpose for the material or for the information.