



# Anionic Dry Solve 9560

## Safety Data Sheet

Date Issued: 04/13/2013

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SOLVE 9560**

CHEMICAL NAME: Copolymer of sodium acrylate and acrylamide

COMPANY: **WaterSolve, LLC, 5031 68<sup>th</sup> Street, Caledonia, Michigan 49316, USA**

For Product information call **616-575-8693**.

For Chemical Emergency Spill, Leak, Fire, Exposure, or Accident

Call CHEMTREC Day or Night

Within USA and Canada: 1-800-424-9300

Outside USA and Canada: +1 703-527-3887 (collect calls accepted)

### 2. HAZARDS IDENTIFICATION

**Emergency Overview** Spilled product in contact with water or moisture causes surfaces to become extremely slippery. This product is not classified as a hazard by OSHA.

**Potential Health Effects Eyes:** Product is not an irritant.

**Potential Health Effects Skin:** Product is not a skin irritant.

**Potential Health Effects Ingestion:** Ingestion –Harmful if swallowed. Seek medical attention.

**Potential Health Effects:** Remove to fresh air. This product is a dust. Inhalation of dusts can cause respiratory irritation. Use appropriate personal protection equipment when using this product.

**Medical Conditions Aggravated by Exposure:**

Since this product is a dust, any respiratory problem may become acute if dust is inhaled. Use appropriate respiratory breathing apparatus as needed.

HMIS Ratings: Health: 1 Fire: 0 Reactivity 0 Personal Protections: B

Hazard Scale: 0=minimal 1=slight 2=moderate 3=serious 4=severe \*=chronic hazard

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

CAS#	Component
25085-02-3	2-Propenoic acid, sodium salt, polymer with 2-propenamamide

**Component Information on Non-Hazardous Components**

The manufacturer lists no ingredients as hazardous according to OSHA, 29CFR 1910.1200.

Components are listed on TSCA (40 CFR 700).

#### 4. FIRST AID MEASURES

**Skin Contact:** Flush thoroughly with water and soap. Take off contaminated clothing and wash thoroughly before reuse.

**Eye Contact:** Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Consult a physician.

**Ingestion:** If ingested seek immediate medical attention. Do not induce vomiting unless instructed to do so by medical personnel. Never give anything by mouth to an unconscious person.

**Inhalation:** If exposure by inhalation is suspected, use proper respiratory protection to immediately move exposed individual to fresh air. Consult physician regarding any continued discomfort.

#### 5. FIRE FIGHTING MEASURES

##### **General Fire Hazards**

Take measures against electrostatic charge. Dust in sufficient concentration can result in an explosive mixture in air. Handle to minimize dusting and eliminate open flame and other sources of ignition.

**Upper Flammable Limit (UFL):** Not determined

**Lower Flammable Limit (LFL):** Not determined

**Method used:** DIN EN 22719

**Flash Point:** >200°C

**Flammability Classification:** Not determined.

**Auto Ignition:** >400°C. Method: VDI 2263 (D) Fine dust/median 50 micron.

**Hazardous combustion products:** On thermal decomposition oxides of carbon and nitrogen.

**Suitable extinguishing media:** Dry chemical, foam, carbon dioxide, water fog.

**Protective equipment for firefighters:** Firefighters should wear full protective clothing including self-contained breathing apparatus. Very slippery conditions are created if spilled product comes in contact with water.

**NFPA Ratings: Health: 1 Fire: 0 Reactivity: 0 Other: B**

Hazard Scale: 0=minimal 1=slight 2=moderate 3=serious 4=severe

#### 6. ACCIDENTAL RELEASE MEASURES

**Containment Procedures:** Vacuum up product that is spilled. CAUTION- spilled material in contact with water creates very slippery conditions. Place waste in a labeled container.

**Methods for cleaning up:** None specified.

**Evacuation procedures:** Isolate area. Keep unnecessary personnel away.

**Special procedures:** Remove spills promptly as they may make floors slippery. Absorb any wet product with vermiculite or other inert material. Several washes and/or the use of detergents may be necessary to completely clean any spill.

## 7. HANDLING AND STORAGE

**Handling:** Handle as an irritant. Avoid contact with eyes, skin and clothing. When dust is formed ensure sufficient workplace ventilation. Take measures against electrostatic charge. The product itself is not explosive; however, fine dust may form explosive mixture in air. Avoid deposition of dust.

**Storage:** Store product in a cool, dry area. Keep containers tightly closed.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Component Exposure Limits:** No information is available.  
**Engineering controls:** Provide mechanical ventilation to prevent dust concentrations, and to reduce potential exposure to workers.

### Personal protection equipment

**Respiratory protection:** Ventilation should be sufficient to effectively remove and prevent buildup of any dusts or fumes that may be generated during handling or thermal processing. If significant dusting occurs, use a NIOSH approved respirator.

**Skin Protection:** Skin contact should be minimized. Impervious gloves (rubber or neoprene) are recommended.

**Eye protection:** Safety glasses with side shields or goggles or face mask.

**Hygiene measures:** CAUTION: Extreme slipping hazard when wet. Obey reasonable safety precautions and practice good housekeeping. Before eating, drinking or smoking, wash face and hands thoroughly with soap and water.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	powder
Color:	white granular
Odor:	odorless
pH:	~7-8@ 10g/l (20°C)
Solubility (H <sub>2</sub> O):	at 20°C, Soluble with a rise in viscosity
Evaporation Rate:	N/A
Melting Point:	N/A
Vapor Density:	N/A
Bulk Density:	44 lbs/ft <sup>3</sup>
Vapor Pressure:	N/A
Flash point:	>200°C (DIN EN 22719)

## 10. STABILITY AND REACTIVITY

**Stability:** Stable under usual application conditions.  
**Conditions to Avoid:** Avoid wet and humid conditions.  
**Hazardous Decomposition Products:** None identified.  
**Hazardous Polymerization:** Will not occur.

## 11. TOXICOLOGICAL INFORMATION

### Acute and chronic toxicity

General Product Information:

Acute Oral: LD50 Rat  
Dose: >1200mg/kg  
Method: preliminary investigation

Acute Oral: LD50 Mouse  
Dose: >5000mg/kg  
Method: preliminary investigation

Skin irritation: Rabbit  
Method: OECD 405  
Not irritative.

Eye irritation: Rabbit  
Method: OECD 405  
Result: Not irritative.

Eye irritation: Result: Very slight eye irritation  
Particle effect

Sensitization: Guinea pig  
Result: 0% (0/20)  
Method: OECD 406  
No sensitization

Further Information: Based on knowledge of the properties of the components, adverse effects on human health are not to be expected in normal use.

### **Carcinogenicity**

#### **A: General Product Information**

**NTP: No**  
**IARC: No**  
**OSHA: No**

#### **B. Component Carcinogenicity**

**No information is available.**

## 12. ECOLOGICAL INFORMATION

### **Ecotoxicity**

#### **General Product information**

Biodegradability: Due to its high polymer structure, the biodegradation of the product is negligible.

Physico-chemical  
Removability: Because of its specific substantively, the product can be eliminated well in biological waste effluent treatment plants (binding on digestive sludge)

Bacterial toxicity:	Ps.putida EC50>2500 mg/L Exposure time 24 hour Method OECD DEV L 8
Toxicity to Daphnia magna:	EC50 Daphnia magna ~300 mg/l Exposure time: 48 hours Method: OECD 202
Fish Toxicity:	Leuciscus idus LC50>140 mg/l Exposure Time: 96 hour Method: OECD 203
Earthworm Toxicity:	Eisenia Foetida LC50>1000mg/kg Method: OECD 207
Further info:	Prevent concentrated product from penetrating into waters without biological waste water treatment.

### 13. DISPOSAL CONSIDERATIONS

**General Product Information:** Incinerate or dispose of solidified product according to local, state and federal regulations. Unadulterated product is considered non-hazardous.

**Component Waste Numbers:** No EPA Waste Numbers are applicable for this product's components.

**Disposal Instructions:** Contain and collect using absorbent material if needed. Place collected material into suitable containers for proper disposal. Clean up and dispose of waste in accordance with all federal, state, and local environmental regulations.

### 14. TRANSPORT INFORMATION

#### **International Transportation Regulations**

This product is not regulated as a hazardous material by the United States (DOT) or Canadian (TDG) transportation regulations.

### 15. REGULATORY INFORMATION

#### **US Federal Regulations**

##### **General Product Information**

SARA 313 reportable toxic chemicals: None

##### **Clean Air Act**

No information is available.

##### **State Regulations:**

##### **General Product Information**

Component Analysis – state

This product contains <0.10% residual acrylamide (CAS# 79-06-1), and the following states recognize acrylamide as a carcinogen or suspected carcinogen: CA (Prop 65), MA, MN, NJ, and PA.

**California Proposition 65:**

The following statement is made in order to comply with California Safe Drinking Water and Toxic Enforcement Act of 1986: This product contains the following substances (S) known to the State of California to cause cancer:

<u>Component</u>	<u>CAS#</u>
Acrylamide	79-06-1

<u>New Jersey RTK Label Information</u>	
Acrylamide	79-06-1

<u>Pennsylvania RTK Label Information</u>	
Acrylamide	79-06-1

**Component Analysis – WHMIS IDL**

No components are listed in the WHMIS IDL.

**Component Analysis – Inventory**

Component	CAS#	TSCA	CAN	EEC
2-propenoic acid, sodium salt, polymer with 2-propenamide	25085-02-3	Yes	DSL	No.

**16. OTHER INFORMATION**

Reasonable care has been taken in the preparation of this information, but the manufacturer makes no warranty of merchantability or any other warranty, expressed or implied, with respect to this information. The manufacturer makes no representations and assumes no liability for any direct, incidental or consequential damages resulting from its use. Recipients are advised to confirm in advance of need that the information is current, applicable, and suitable to their circumstances. 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, 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. Users of any chemical should educate themselves on all aspects of its use by independent investigation of current scientific and medical knowledge that the material can be used safely.