



Organic Anionic Dry  
Solve 6310

Safety Data Sheet  
Date Revised: 11/19/2016

Date Issued: 05/30/2019

**1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

**Product information**

**PRODUCT NAME:** SOLVE 6310

**Recommended use of the chemical and restrictions on use**

**Use of the Substance/Mixture**

Flocculating agent

**Supplier's details** WaterSolve, LLC, 5031 68th 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**

**Classification of the substance or mixture**

The material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard's (29CFR 1910.1200) implementation of the Globally Harmonized System (GHS), i.e., material is not a dangerous substance or mixture requiring GHS classification according to the US GHS regulations.

**GHS-Labeling**

Product is not hazardous under US GHS.

**Other hazardous which do not result in classification**

**Advice;** Forms slippery/greasy layers with water.

**Potential environmental effects;** This substance/mixture contains no components considered to be Either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at Levels of 0.1% or higher.

**3. COMPOSITION/INFORMATION ON INGREDIENTS**

**Substances/Mixtures**

Chemical nature

Anionic polyacrylamide.

Not a dangerous substance or mixture according to the Globally Harmonized System (GHS).

**4. FIRST AID MEASURES**

**Description of first aid measures**

**Inhalation**

No hazards which require special first aid measures. Remove to fresh air.

**Skin contact:**

Wash off soap and water.

**Eye contact:**

Rinse thoroughly with plenty of water, also under the eyelids. If possible use lukewarm water.

**Ingestion**

Rinse mouth with water. Call a physician if symptoms occur. Do NOT induce vomiting. Never give Anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed**

5. **FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Water spray  
Dry chemical  
Carbon dioxide (CO<sub>2</sub>)

**Special hazards arising from the substance or mixture**

Dust may form explosive mixture in air.

**Special protective actions for fire-fighters**

Wear- self-contained breathing apparatus and protective suit.

Use NIOSH/MSHA approved respiratory protection.

6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures**

For personal protection see SDS section 8.

**Environmental precautions**

Should not be released into the environment.

**Methods and materials for containment and cleaning up**

Product becomes slippery when it is wet. Take up mechanically and collect into suitable containers for disposal. After cleaning, flush away traces with water.

7. **HANDLING AND STORAGE**

**Precautions for safe handling**

Handle in accordance with good industrial hygiene and safety practice. Avoid dust formation during handling. For personal protection see SDS section 8.

**Conditions for safe storage, including any incompatibilities**

Store in original container.

**Materials for packaging**

Unsuitable materials: To avoid product degradation and equipment corrosion, do not use iron, copper or aluminum containers or equipment.

**Materials to avoid:**

Strong oxidizing agents

**Storage stability:**

Storage temperature: 40 – 90 °F

Other data: Stable under recommended storage conditions.  
Reason: Integrity

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components	CAS-No.	Value	Form of exposure	Control parameters	Update	Basis

Contains no substances with occupational exposure limit values.

### **Appropriate Engineering controls:**

Handle in accordance with good industrial hygiene and safety practice. Wash hands and face before breaks and immediately after handling the product. Avoid contact with skin, eyes and clothing. Ensure that eyewash stations and safety showers are close to the workstation location. Ensure adequate ventilation.

### **Individual protection measures, such as personal protective equipment**

#### **Respiratory protection:**

When there is potential for airborne exposures in excess of applicable limits, wear NIOSH/MSHA approved respiratory protection.

#### **Hand protection:**

Glove material: impervious gloves. Permeability tests are not available for this product. Please observe the instructions regarding permeability and breakthrough time which are provided by the supplier of the gloves. Also take into consideration the specific local conditions under which the product is used, such as the danger of cuts, abrasion, and the contact time.

#### **.Skin and body protection:**

Protective clothing.

#### **Eye protection:**

Safety glasses

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### **Information on basic physical and chemical properties**

**Physical state** solid, powder

**Colour** off-white

**Odour** odourless

**pH** 6-8 (0.5%)

### **Initial boiling point and boiling range**

**Flash point** Not applicable

**Evaporation rate** No data available

### **Explosive properties:**

#### **Lower explosion limit**

No data available

#### **Upper explosion limit**

No data available

**Vapour pressure** Not applicable

**Relative vapour density** No data available

**Bulk density** 750 – 950 g/l

<b>Solubility(ies):</b>	
<b>Water solubility</b>	Limited by viscosity
<b>Partition coefficient:n-</b>	
<b>Octanol/water</b>	No data available
<b>Decomposition temperature</b>	392 °F
<b>Viscosity:</b>	
<b>Viscosity, dynamic</b>	Not applicable
<b>Oxidizing potential</b>	The substance or mixture is not classified as oxidizing.
<b>Volatile organic content (VOC)</b>	No data available
<b>Surface tension</b>	Not applicable

## 10. STABILITY AND REACTIVITY

### Reactivity

#### Chemical stability

#### Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerization does not occur.

#### Conditions to avoid

Conditions to avoid: Material is stable under normal conditions

#### Incompatible materials

Materials to avoid: Strong oxidizing agents

#### Hazardous decomposition products

Hazardous decomposition

Products: Ammonia  
Carbon dioxide (CO<sub>2</sub>)  
Carbon monoxide (CO)  
Nitrogen oxides (NO<sub>x</sub>)

Thermal decomposition: 392 °F

## 11. TOXICOLOGICAL INFORMATION

### Information on toxicological effects

<b>Acute oral toxicity</b>	Conclusion: The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material.  Remarks: estimated /Rat/>/5,000mg/kg/LD50
<b>Acute inhalation toxicity</b>	LD50/Rat/ 4hr/>20 mg/l Remarks: estimated
<b>Acute dermal toxicity</b>	LD50/Rabbit/>/10,000 mg/kg Remarks: estimated
<b>Skin corrosion/irritation</b>	Conclusion: No skin irritation
<b>Serious eye damage/ eye irritation</b>	Conclusion: No skin irritation

## Respiratory or skin sensitisation

**Skin sensitisation** Conclusion: Not sensitizing

## Germ cell mutagenicity Genotoxicity in vivo

Conclusion: Based on available data, the classification criteria are not met.

## Carcinogenicity Carcinogenicity

Based on available data, the classification criteria are not met.

## Reproductive toxicity Toxicity for reproduction

Conclusion: Based on available data, the classification criteria are not met.

## Aspiration hazard Aspiration toxicity

No aspiration toxicity classification

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity effects

#### Aquatic toxicity

Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

LC50/96 h/Branchydanio rerio (zebra fish)/Acute toxicity/OECD Test Guideline 203: > 1 - 10 mg/l Remarks: fresh water

LC50/96 h/Lepomis macrochirus (bluegill sunfish)/Acute toxicity/OECD Test Guideline 203: > 100 mg/l Remarks: fresh water

LC50/96 h/Oncorhynchus mykiss (rainbow trout)/Acute toxicity/OECD Test Guideline 203: > 100 mg/l Remarks: fresh water

Remarks: Ecotoxicological information provided is based on a structurally or compositionally similar product.

EC50/48 h/Daphnia magna (Water flea)/Immobilization/OECD Test Guideline 202: > 100 mg/l

EC50/10 d/Corophium volutator (amphipoda)/Immobilization/OECD Test Guideline 202: 1,415 mg/l

EC50/48 h/Acartia tonsa (copepod)/Immobilization/OECD Test Guideline 202: 342 mg/l

IC50/72 h/Green algae (Selenastrum capricornutum)/Growth inhibition/OECD Test Guideline 201: > 100 mg/l

IC50/72 h/Skeletonema costatum (diatom)/Growth inhibition/OECD Test Guideline 201: 2,276 mg/l

#### Toxicity to other organisms

No data available

#### Persistence and degradability

Biological degradability:

Closed Bottle test/OECD Test Guideline 301 D/28 d: < 70%

Not readily biodegradable.

Seawater Shake Flask Method/OECD Test Guideline 306/28 d: 1.7%

Remarks: seawater

Not readily biodegradable

#### Bioaccumulative potential

Bioaccumulation is unlikely. Because of the high molecular weight of the polymer diffusion through biological membranes is very small.  
Partition coefficient: n-octanol/water: No data available

**Mobility in soil**

Water solubility: Limited by viscosity.  
Surface tension: Not applicable

**Other adverse effects**

**13. DISPOSAL CONSIDERATIONS**

**Product** Recycling, recovery and reuse of materials is recommended if permitted by regulations. If recycling is not practicable, dispose of in compliance with local regulations.  
EPA Hazardous Waste – NO.

**Contaminated packaging** Packages must be disposed of according to local and national Regulations.

**14. TRANSPORT INFORMATION**

**Land transport**

Not classified as dangerous in the meaning of transport regulations

**Sea transport** Not classified as dangerous in the meaning of transport regulations.

**Air transport** Not classified as dangerous in the meaning of transport regulations.

**Special precautions for user**

None known

**15. REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substance or mixture**

**SARA Title III Section 311 Categories**

**Immediate (Acute) Health Effects: No;**  
**Delayed (Chronic) Health Effects: No;**  
**Fire Hazard: No;**  
**Sudden Release Of Pressure Hazard: No;**  
**Reactivity Hazard: No;**

**SARA 302 Extremely Hazardous Substances**

No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

None Present ( )

### SARA 313 - Specific Toxic Chemical Listings

This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. None Present ()

### CERCLA Hazardous substance (Reportable Quantities)

None Present ()  
0 kg

### California Proposition 65

Acrylamide (79-06-1) < 0.05 %

Remarks: This product contains a chemical or chemicals known to the state of California to cause cancer, birth defects or other reproduction harm.

**Other regulations** : None

**Notification status** :

- : All components of this product are included in the United States TSCA Chemical Inventory or are not required to be listed on the United States TSCA Chemical Inventory.
- : All components of this product are included in the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.
- : All components of this product are included in the Canada Domestic Substance List (DSL).
- : All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese (ENCS) inventory.
- : All components of this product are included in the Australian Inventory of Chemical Substances (AICS) or are not required to be listed on the Australian Inventory of Chemical substances (AICS).
- : All components of this product are included in the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory.
- : All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory.
- : All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese Inventory.
- : All components of this product are included on the Taiwan Toxic Chemical Substances Control Act Inventory.
- : All components of this product are included in the New Zealand Inventory (NZIoC) or are not required to be listed on the New Zealand inventory(NZIoC).

## 16. OTHER INFORMATION

### HMIS Rating

Health: 0  
Flammability: 1  
Reactivity: 0

**NFPA Rating**

Health : 0

Fire: 1

Reactivity: 0

**Training advice**

Read the safety data sheet before using the product.

**Further information**

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.

**Sources of key data used to compile the Safety Data Sheet**

Regulations, databases, literature, own tests.

**Additions, Deletions, Revisions**

Relevant changes have been marked with vertical lines.