



Organic Anionic Dry Solve 6350

Safety Data Sheet

Date Issued: 03/05/2019

Date Revised: 09/08/2015

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SOLVE 6350**
COMPANY: 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)

Use of the Substance/Mixture: Flocculating agent

Recommended restrictions on use: Do not use for other purposes than the identified uses.

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 hazards which do not result in classification

Advice: Spills are very slippery when wet.
Skin: Repeated or prolonged exposure may cause. May cause skin irritation.
Eyes: Dust contact with the eyes can lead to mechanical irritation.
Ingestion: Essentially non-toxic.
Chronic exposure: No known carcinogenic or other chronic effects.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/ Mixture:

Chemical nature: Anionic polyacrylamide

4. FIRST AID MEASURES

Description of first aid measures

General advice

Show this safety data sheet to the doctor in attendance.

Inhalation

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

Skin contact:

Wash off with soap and water.

Eye contact:

Rinse immediately 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:

Use water spray, carbon dioxide (CO₂) or dry chemical.

Special hazards arising from the substance or mixture

Dust may be explosive if mixed with air in critical proportions and in the presence of a source of ignition.

Special protective actions for fire-fighters:

In the event of fire, wear self-contained breathing apparatus. Use NIOSH/MSHA approved respiratory protection.

Further information

In the event of fire, cool tanks with water spray.

6. **ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures

For personal protection see section 8.

Environmental precautions

Prevent product from entering drains.

Methods and materials for containment and cleaning up

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

7. **HANDLING AND STORAGE**

Precautions for safe handling

For personal protection see section 8. Avoid dust formation during handling.

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 temperature: 41 – 80.6 °F

Other data: Reason: Integrity

8. **EXPOSURE CONTROLS/PERSONAL PROTECTION**

Components with workplace control parameters

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. 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

Environmental exposure controls:

No data available.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Information on basic physical and chemical properties

Physical state:	solid, powder
Colour:	white
Odour:	odourless
Melting point/range:	Not determined
Initial Boiling Point/Range:	Not applicable
Flash point:	Not applicable
Evaporation rate:	Not applicable
Explosive properties:	
Lower explosion limit:	No data available
Upper explosion limit:	No data available
Vapor Pressure:	Not applicable
Relative vapour density:	Not applicable
Bulk density:	650-850 kg/m ³
Solubility in Water:	Limited by viscosity
Partition coefficient (n-octanol/water)	Not available
Decomposition temp:	302°F
Oxidizing potential:	The substance or mixture is not classified as oxidizing
Volatile organic content (VOC):	Not applicable
Surface tension:	Not applicable

10. **STABILITY AND REACTIVITY**

Reactivity

Chemical Stability:

Possibility of hazardous reactions

Hazardous reactions: Hazardous polymerization does not occur

Conditions to avoid: None known.

Incompatible Materials: Strong oxidizing agents.

Hazardous decomposition products:

Hazardous Decomposition Products: Nitrogen oxides (NO_x)
Carbon oxides
Ammonia

Thermal decomposition: 302 °F

11. TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute oral toxicity Conclusion: The acute toxicological results displayed may not be the results of actual testing of this material but based on a similar tested material.

Conclusion: The data is based on toxicological properties of individual components of the product.
Remarks: estimated
Rat/>5,000mg/k/LD50

Acute inhalation toxicity LC50/Rat/4hr/> 20 mg/l
Remarks: estimated

Acute dermal toxicity LD50/Rabbit/>/10,000 mg/kg
Remarks: estimated

Skin corrosion/irritation Conclusion: No skin irritation

**Serious eye damage/
eye irritation** Conclusion: No eye irritation

Respiratory or skin Sensitization

Skin sensitisation: Conclusion: Not sensitizing

Carcinogenicity

12. ECOLOGICAL INFORMATION LC50

Ecotoxicity effects

Aquatic toxicity

LC50/96 h/Branchydanio rerio (zebra fish)//OECD Test Guideline 203: > 100 mg/l
EC50/48 h/Daphnia magna (Water flea)/OECD Test Guideline 202: > 10-100 mg/l
IC50/72 h/Pseudokirchneriella subcapitata (Green algae)/OECD Test Guideline 201: >100 mg/l

Toxicity to other organisms

No data available

Persistence and degradability

Biological degradability:

Modified Sturm Test/OECD Test Guideline 301B/28 d: <70 %

The polymeric ingredient is not readily biodegradable. Because of the high molecular weight of the polymer diffusion through biological membranes is very small.

Bioaccumulative potential

Bioaccumulation is unlikely.

Partition coefficient: n-octanol/water: log Pow: 0.093

Mobility in soil

Water solubility: Limited by viscosity.

Surface tension: Not applicable

Other adverse effects

No information available.

Additional ecological information: Ecotoxicological information provided is based on a structurally or compositionally similar product. This material is not classified as dangerous for the environment.

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

Must be disposed of in accordance with 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;

US. Environmental Protection Agency (EPA); Superfund Amendments and Reauthorization Act (SARA) Section 302 Extremely Hazardous Substances as amended by US Federal Register Final rules.

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

None Present ()

US. Environmental Protection Agency (EPA); Title III of Superfund Amendments and Reauthorization Act (SARA) of 1986 Section 313 Reportable Chemicals List, Toxic chemical listings and de minimis concentrations as amended by US Federal Register Final rules.

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

INVENTORY INFORMATION

USA: All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical I inventory.

Canada: All components of this product are included on the Domestic Substances List (DSL) or are not required to be listed on the DSL

European Union (EU): All components of this product are included on the European Inventory of Existing Chemical Substances (EINECS) or are not required to be listed on EINECS.

Australia: All components of this product are included in the Australian Inventory of Chemical Substances (AICA) or are not required to be listed on the Australian Inventory of Chemical Substances (AICS).

China: All components of this product are included on the Chinese inventory or are not required to be listed on the Chinese Inventory.

Japan: All components of this product are included on the Japanese (ENCS) inventory or are not required to be listed on the Japanese Inventory.

Korea: All components of this product are included on the Korean (ECL) inventory or are not required to be listed on the Korean (ECL) inventory

Philippines: All components of this product are included on the Philippine (PICCS) inventory or are not required to be listed on the Philippine (PICCS) inventory.

Taiwan: All components of this product are included on the Taiwan Toxic Chemical Substances Control Act Inventory.

New Zealand: 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**
NFPA HAZARD RATING

Health 0
Fire 1
Reactivity 0

HMIS RATING

Health: 0
Flammability: 1
Reactivity: 0

Training advice

Read the safety data sheet before using the product.

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.