



Organic Anionic Dry
Solve 6320

Safety Data Sheet
Date Revised: 09/23/2015

Date Issued: 01/22/2018

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

Product information

PRODUCT NAME: SOLVE 6320

Recommended use of the chemical and restrictions on use

Use of the Substance/Mixture

Water treatment chemical

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; 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

Substances/Mixtures

Chemical nature Anionic polyacrylamide.

No hazardous ingredients

Remarks : None.

Further information

This material is not hazardous under the criteria of the Federal OSHA Hazard

Communication Standard 29CFR 1910.1200.

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 (CO₂)

Special hazards arising from the substance or mixture

Dust may form explosive mixture in air.

Special protective actions for fire-fighters

In the event of fire, wear self-contained breathing apparatus.

Use NIOSH/MSHA approved respiratory protection.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

For personal protection see 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. Shovel into suitable container 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. The product is Hygroscopic. Protect from moisture.

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: 41-80.6 °F

Other data: Stable under recommended storage conditions.

Reason: Integrity

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

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

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

pH not applicable

Melting point/range not determined

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
Bulk density	650 – 850 kg/m ³
Solubility(ies):	
Water solubility	Limited by viscosity
Decomposition temperature	> 302 °F
Viscosity:	
Viscosity, dynamic	Not applicable
Oxidizing potential	The substance or mixture is not classified as oxidizing.
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

Conditions to avoid: Stable under normal conditions

Incompatible materials

Materials to avoid: Strong oxidizing agents

Hazardous decomposition products

Hazardous decomposition

Products: Ammonia
Carbon oxides
Nitrogen oxides (NO_x)

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 the toxicological properties of Individual components of the product..

Remarks: estimated
/Rat/>/5,000mg/kg/LD50

Acute inhalation toxicity LD50/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 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.

12. **ECOLOGICAL INFORMATION**

Ecotoxicity effects

Aquatic toxicity

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

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

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

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:

CO2 Evolution Test/OECD Test Guideline 301B/28 d: , 70%

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

The polymeric ingredient is not readily biodegradable

Bioaccumulative potential

Bioaccumulation is unlikely. Because of the high molecular weight of the polymer diffusion through biological membranes is very small.

Mobility in soil

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

Other adverse effects

No data 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 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.

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.