



Solve 6330

Safety Data Sheet

Date Issued: 11/19/2016

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

PRODUCT NAME: **SOLVE 6330**
Use of mixture: Water treatment chemical
Restrictions on use: Do not use for other purposes than identified uses.
COMPANY: WaterSolve, LLC, 5031 68th Street, Caledonia, Michigan 49316, USA
For Product information call 616-575-8693. www.gowatersolve.com

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

This 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 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: 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

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 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:

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

Unsuitable extinguishing media

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

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.

Further information

Forms slippery/greasy layers with water.

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. Sweep up and shovel into suitable containers for disposal. After cleaning, flush away traces with water. Prevent product from entering sewers.

Additional advice

Local authorities should be advised if significant spillages cannot be contained.

7. **HANDLING AND STORAGE**

Precautions for safe handling

Avoid dust formation during 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 material: 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 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 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. Avoid contact with skin. 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:

Productive clothing.

Eye protection:

Safety goggles

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Physical state:	solid, granular
Color:	off white
Odor:	none
pH:	7 - 9 (0.5 %) as aqueous solution
Melting Point/Range:	Not determined
Initial boiling point/range:	Not applicable
Flash point:	No data available
Evaporation Rate:	Not applicable
Explosive properties	
Lower explosion limit	No data available
Upper explosion limit	No data available
Vapor Pressure:	Not applicable
Relative Vapor Density:	Not applicable
Bulk density:	650 – 850 kg/m ³

Water solubility (ies):	Limited by viscosity
Partition coefficient (n-octanol/water):	Not applicable
Decomposition temperature:	392°F
Oxidizing potential:	The substance or mixture is not classified as oxidizing.
Saturation in Air (% Vol):	No data available
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: Material is stable under normal conditions.

Incompatible materials

Materials to avoid: Strong oxidizing agents

Hazardous Decomposition

Products: Carbon oxides (CO_x), Nitrogen oxides (NO_x), Ammonia

Thermal decomposition: 392°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.
LD50/Rat/5,000 mg/kg

Acute inhalation toxicity: LC50/rat/4h/>20 mg/l Remarks: estimated

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

Skin corrosion/irritation Conclusion: Not classified as irritating for skin.

**Serious eye damage/
eye irritation:** Conclusion: Not classified as irritating for eyes.

Respiratory or skin sensitization

Skin sensitization: Conclusion: Contains no substance or substances classified as sensitizing.

Germ cell mutagenicity

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

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.
Specific target organ toxicity -single exposure	The substance or mixture is not classified as specific target organ toxicant, single exposure.
Specific target organ toxicity -repeated exposure:	The substance or mixture is not classified as specific target organ toxicant, repeated exposure.
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.

LC50/96h/ *Lepomis macrochirus* (Bluegill sunfish)/Acute toxicity/OCED Test Guideline 203: >100mg/l

Remarks: fresh water

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

Remarks: fresh water

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

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

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

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

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

IC50/72h/Green Algae (*Selenastrum capricornutum*)/OECD Test Guideline 201: >100 mg/l

IC50/72h/*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

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

Not readily biodegradable.

Ready biodegradability/OECD Test Guideline 301 D/28d: < 10%

Biodegradability in Seawater/OECD Test Guideline 306/28d : 1.7%

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: Not applicable

Mobility in soil

Water solubility: Limited by viscosity.

Surface tension: Not applicable

Other adverse effects:

None known

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

Packages must be disposed of according to local, state 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

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 on 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 Canada Domestic Substances List (DSL) or are not required to be listed on the Canada Domestic Substance List (DSL).

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.

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 on the Chinese inventory or are not required to be listed on the Chinese Inventory.

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 on 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 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

NFPA 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.

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 guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The 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. 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. Both the supplier and manufacturer make no representations and assume no liability for any direct, incidental or consequential damages resulting from its use. Both the supplier and manufacturer make no warranty of merchantability or any other warranty, expressed or implied, with respect to this

information. 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. 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. The buyer assumes all responsibility for using and handling the product in accordance with applicable federal, state and local regulations.

List of abbreviations and acronyms that could be, but not necessarily are, used in the safety data sheet:

ACGIH: American Conference of Industrial Hygienists
BEI: Biological Exposure Index
CAS Chemical: Abstracts Service (Division of the American Chemical Society)
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
CMR: Carcinogenic, Mutagenic or Toxic for Reproduction
DOT: Department of Transportation
FG: Food grade
FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
GHS: Globally Harmonized System of Classification and Labeling of Chemicals
H-statement: Hazard Statement
HMIRC: Hazardous Materials Information Review Commission
HMIS: Hazardous Materials Identification System
IATA: International Air Transport Association
IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
ICAO: International Civil Aviation Organization
ICAO-TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"
IMDG: International Maritime Code for Dangerous Goods
ISO: International Organization for Standardization
logPow: octanol-water partition coefficient
LCxx: Lethal Concentration, for xx percent of test population
LDxx: Lethal Dose, for xx percent of test population
ICxx: Inhibitory Concentration for xx of a substance
ECxx: Effective Concentration of xx
N.O.S.: Not otherwise specified
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OECD: Organization for Economic Co-operation and Development
OEL: Occupational Exposure Limit
OSHA: Occupational Safety and Health Administration
P-Statement: Precautionary Statement
PBT: Persistent, Bioaccumulative and Toxic
PMRA: Health Canada Pest Management Regulatory Agency
PPE: Personal Protective Equipment
RTK: Right to Know
SDS: Safety Data Sheet
STEL: Short-term exposure limit
STOT: Specific Target Organ Toxicity
TLV: Threshold Limit Value
TWA: Time-weighted average
VPVB: Very Persistent and Very Bioaccumulative
WEL: Workplace Exposure Level
WHMIS: Workplace Hazardous Materials Information System