



## Dry Solve 6330A

### Safety Data Sheet

Date Issued: 06/05/2017

Date Revised: 06/05/2017

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

PRODUCT NAME: **SOLVE 6330A**  
Use of mixture: Water treatment chemical  
Restrictions on use: Do not use for other than identified uses.  
COMPANY: WaterSolve, LLC, 5031 68th Street, Caledonia, Michigan 49316, USA  
For Product information call 616-575-8693. [www.gowatersolve.com](http://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 (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. Spills are very slippery when wet.

**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

**IMPORTANT: SPILLS OF THIS PRODUCT ARE VERY SLIPPERY WHEN WET**

##### **Substances/Mixtures**

Chemical nature Anionic polyacrylamide.

**Contains no hazardous ingredients according to GHS**

##### **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:**

Remove to fresh air. No hazards which require special first aid measures. Obtain medical advice if there are persistent symptoms.

##### **Skin contact:**

Wash immediately with plenty of water and soap.

**Eye contact:** Rinse thoroughly with plenty of water, also under the eyelids for at least 15 minutes. 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.**

**Symptoms:** No information available

**Hazards:** No information available

5. **FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:**

Use water spray, carbon dioxide 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**

In the event of fire, cool tanks with water spray. Forms slippery/greasy layers with water.

6. **ACCIDENTAL RELEASE MEASURES**

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

Refer to Section 8 (Exposure Controls/Personal Protection) for appropriate personal protective equipment.

**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.

**Additional advice**

Forms slippery/greasy layers with water. 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. For personal protection see SDS Section 8. 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/Body protection:**

Productive clothing.

**Eye protection:**

Safety goggles

**Additional Advice:**

Before eating, drinking, or smoking, wash face and hands thoroughly with soap and water.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Physical state:</b>	Off white granular solid
<b>Color:</b>	off white
<b>Odor:</b>	none
<b>pH:</b>	7 - 9 (0.5 %) as aqueous solution
<b>Melting Point Range:</b>	Not determined
<b>Initial boiling point/range:</b>	Not applicable
<b>Flash point:</b>	No data available
<b>Evaporation Rate:</b>	Not applicable
<b>Explosive properties</b>	
<b>Lower explosion limit</b>	No data available
<b>Upper explosion limit</b>	No data available
<b>Vapor Pressure:</b>	Not applicable
<b>Relative Vapor Density:</b>	Not applicable
<b>Bulk density:</b>	650 ó 850 kg/m <sup>3</sup>
<b>Water solubility (ies):</b>	Limited by viscosity
<b>Partition coefficient</b>	
<b>(n-octanol/water):</b>	Not applicable
<b>Decomposition temp:</b>	302°F
<b>Viscosity, dynamic:</b>	Not applicable
<b>Oxidizing potential:</b>	The substance or mixture is not classified as oxidizing.
<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:** Material is stable under normal conditions.

**Incompatible materials**

**Materials to avoid:** Strong oxidizing agents

**Hazardous Decomposition**

**Products:** Carbon dioxide, carbon monoxide, Nitrogen oxides, Ammonia

**Thermal decomposition:** 302°F

11. **TOXICOLOGICAL INFORMATION**

**Information on toxicological effects**

**Acute oral toxicity**

Conclusion: the following toxicological data shown are those obtained from tests on products of similar composition.

**Remarks:** Rat/5,000 mg/kg LD50

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

**Acute dermal toxicity: Remarks estimated LC50/Rabbit/> 2,000 mg/kg**

**Skin corrosion/irritation** Conclusion: No skin irritation.

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

**Respiratory or skin sensitization**

**Skin sensitization:** Conclusion: Not 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.

12. **ECOLOGICAL INFORMATION**

**Ecotoxicity effects**

**Aquatic toxicity:**

LC50/Zebra fish (Branchydanio rerio)/ 48h/OECD Test Guideline 203: >100mg/l

**Remarks:** fresh water

**Remarks:**

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

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

IC50/Green Algae (Selenstrum capricomutum) / 72h/OECD Test Guideline 201: >100mg/l

**Toxicity to other organisms** No data available

**Persistence and degradability:**

**Biological degradability:** CO2 Evolution Test/28d/OECD Test Guideline: < 70%

The polymeric ingredient is not readily biodegradable, but degradable by hydrolysis.

**Bioaccumulative potential**

Because of the high molecular weight of the polymer diffusion through biological membranes is very small. Accumulation in aquatic organisms is unlikely.

Partition coefficient: n-octanol/water: Not applicable

**Mobility in soil**

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

**Other adverse effects:** No data available

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**

If recycling is not practicable, dispose of in compliance with local regulations. Packaging 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:** No data available

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

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

**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:**

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

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

## 16. OTHER INFORMATION

### **NFPA HAZARD RATING (National Fire Protection Association)**

**Health 0-** Materials that, under emergency conditions, would offer no hazard beyond that of ordinary combustible materials.

**Fire 1** Materials that must be preheated before ignition can occur.

**Reactivity 0** Materials that in themselves are normally stable, even under fire exposure conditions.

### **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 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. 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