



Superabsorbent Solve 1880

Safety Data Sheet

Date Issued: 05/23/2015

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1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SOLVE 1880**
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

GHS Classification: Combustible dust

GHS Label Element:

Signal Word: Warning

Hazard Statements: May form combustible dust concentrations in air.

Other Hazards:

None known

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Hazardous Components: No hazardous ingredients.

4. FIRST AID MEASURES

General Advice: No hazards which require special first aid measures.

Inhalation: Move to fresh air. If unconscious, place in recovery position and seek medical advice. If symptoms persist, call a physician.

Skin Contact: First aid is not normally required. However, it is recommended that exposed areas be cleaned by washing with soap and water.

Eye Contact: Remove contact lenses. Protect unharmed eye.

Ingestion: Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

Most important symptoms and effects, both acute and delayed: No symptoms known or expected.

Notes to Physician: No hazards which require special first aid measures.

5. FIRE FIGHTING MEASURES

- Suitable extinguishing media:** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray, foam.
- Specific hazards during firefighting:** Organic dusts at sufficient concentration can form explosive mixtures in air. Do not allow run-off from fire-fighting to enter drains or water courses.
- Hazardous combustion products:
Specific extinguishing methods:** Carbon dioxide and carbon monoxide
Product is compatible with standard fire-fighting agents.
- Further information:** Standard procedure for chemical fires.
- Special protective equipment for fire-fighters:** IN the event of fire, wear self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

- Personal precautions:** Avoid dust formation. Avoid breathing dust. Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed.
- Environmental precautions:** Prevent further leakage or spillage if safe to do so.
- Methods for cleaning up:** Pick up and arrange disposal without creating dust. Keep in suitable, closed containers for disposal.
- Other information:** Comply with all applicable federal, state, and local regulations.

7. HANDLING AND STORAGE

- Handling:** Avoid dust formation. Smoking, eating, and drinking should be prohibited in the application area. For personal protection, see section 8.
- Storage:** No smoking. Electrical installations / working materials must comply with the technological safety standards.
- Materials to avoid:** No materials to be especially mentioned.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls:** For exposures to dust, utilize the exposure limits for particulates (insoluble) Not otherwise classified (PNOC). ACGIH TWA – 10 mg/m³ inhalable fraction, 3 mg/m³ respirable fraction. OSHA PEL – 15 mg/m³ total dust, 5 mg/m³ respirable fraction.

Provide appropriate exhaust ventilation at places where dust is formed. General room ventilation should be adequate for normal conditions of use. However, if unusual operating conditions exist, provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below exposure guidelines (if applicable) or below levels that cause known, suspected or apparent adverse effects.

Personal protection equipment

Respiratory protection: No personal respiratory protective equipment normally required.
Hand Protection: Rubber gloves.
Eye protection: Safety glasses with side-shields. Do not wear contact lenses.
Skin protection: Wear resistant gloves and safety shoes (consult your safety equipment supplier).
Hygiene measures: Avoid breathing dust. Wash hands before breaks and at the end of workday. Handle in accordance with good industrial hygiene and safety practice.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: powder
 Physical state: solid
 Color: white
 Odor: none
 Odor Threshold: No data available
 pH: 6.0, 1%
 Melting point/freezing point: >390°F / 199° C
 Flash point (deg.C): not applicable
 Evaporation rate: no data available
 Flammability (solid, gas) no data available
 Upper explosion limit no data available
 Lower explosion limit no data available
 Vapor pressure (mm Hg): < 10 mmHg
 Relative vapour density no data available
 Relative density no data available
 Density 0.55 g/cm3
 Solubility:
 Water solubility: Insoluble
 Solubility in other solvents no data available
 Partition coefficient: noctanol/water no data available
 Thermal decomposition no data available
 Viscosity
 Viscosity, dynamic no data available
 Viscosity, kinematic no data available
 Oxidizing properties no data available

10. STABILITY AND REACTIVITY

Reactivity: No decomposition if stored and applied as directed.
Chemical Stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Product will not undergo hazardous polymerization
Conditions to avoid: Keep away from heat, flame, sparks and other ignition sources.
Incompatible materials: Strong oxidizing agents
Hazardous decomposition Products: No hazardous decomposition products are known.

11. **TOXICOLOGICAL INFORMATION**

Information on likely routes of exposure: Inhalation, Skin contact, Eye Contact, Ingestion

Acute toxicity

Not classified based on available information.

Skin corrosion/irritation

Not classified based on available information.

Serious eye damage/eye irritation

Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury. Product dust may be irritating to eyes, skin, and respiratory system.

Respiratory or skin sensitization

Skin sensitization: not classified based on available information

Respiratory sensitization: not classified base on available information

Germ cell mutagenicity

Not classified based on available information

Carcinogenicity

Not classified based on available information.

Reproductive toxicity

Not classified based on available information.

STOT - single exposure

Not classified based on available information.

STOT - repeated exposure

Not classified based on available information.

Aspiration toxicity

Not classified based on available information.

Further information Product: Remarks: No data available.

Carcinogenicity:

IARC No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

OSHA No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

NTP No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

12. **ECOLOGICAL INFORMATION**

Ecotoxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Other adverse effects: no data available

Product: Additional ecological Information: no data available

13. **DISPOSAL CONSIDERATIONS**

General advice: Dispose of in accordance with all applicable local, state and federal regulations.

Contaminated packaging: Empty remaining contents.

14. TRANSPORT INFORMATION

International transport regulations	
US DOT – Road	not dangerous goods
US DOT – Rail	not dangerous goods
US DOT – Inland waterways	not dangerous goods
Transport Canada – Road	not dangerous goods
Transport Canada – Rail	not dangerous goods
Transport Canada – Inland waterways	not dangerous goods
International Maritime Dangerous Goods	not dangerous goods
International Air Transport Association – Cargo	not dangerous goods
International Air Transport Association – Passenger	not dangerous goods
Mexican Regulation for the Land Transport of Hazardous Materials & Wastes	not dangerous goods

*ORM = ORM-D, CBL = Combustible Liquid

Marine Pollutant = no

Dangerous goods descriptions (if indicated above) may not reflect quantity, end-use or region-specific exceptions that can be applied. Consult shipping documents for descriptions that are specific to the shipment.

15. REGULATORY INFORMATION

SARA 311/312 Hazards	Fire Hazard
SARA 313 Components SARA 313	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.
California Prop 65	This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

The components of this product are reported in the following inventories:

EINECS	on the inventory, or in compliance with the inventory
TSCA	on TSCA inventory
AUSTR	on the inventory, or in compliance with the inventory
DSL	all components of this product are on the Canadian DSL
ENCS	on the inventory, or in compliance with the inventory
KECL	on the inventory, or in compliance with the inventory
PHIL	on the inventory, or in compliance with the inventory
IECSC	on the inventory, or in compliance with the inventory

Inventories:

AICS (Australia), DSL (Canada), IECSC (China), REACH (European Union), ENCS (Japan), ISHL (Japan), KECL (Korea), NZIoC (New Zealand), PICCS (Philippines), TSCA (USA)

16. OTHER INFORMATION

Further information: revision date 5/23/15 Version: 1.1

Full text of H-Statements referred to under sections 2 and 3.

NFPA: Health	1
Flammability	0
Instability	0

HMIS III: Health	1*
Flammability	0
Physical Hazard	0

0 = not significant, 1 = slight, 2 = moderate, 3 = high, 4 = extreme, * = chronic

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:

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ACGIH : American Conference of Industrial Hygienists

BEI : Biological Exposure Index

CAS : Chemical Abstracts Service (Division of the American Chemical Society).

CMR : Carcinogenic, Mutagenic or Toxic for Reproduction

FG : Food grade

GHS : Globally Harmonized System of Classification and Labeling of Chemicals.

H-statement : Hazard Statement

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

OECD : Organization for Economic Co-operation and Development

OEL : Occupational Exposure Limit

P-Statement : Precautionary Statement

PBT : Persistent , Bioaccumulative and Toxic

PPE : Personal Protective Equipment

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

CERCLA : Comprehensive Environmental Response, Compensation, and Liability Act
DOT : Department of Transportation
FIFRA : Federal Insecticide, Fungicide, and Rodenticide Act
HMIRC : Hazardous Materials Information Review Commission
HMIS : Hazardous Materials Identification System
NFPA : National Fire Protection Association
NIOSH : National Institute for Occupational Safety and Health
OSHA : Occupational Safety and Health Administration
PMRA : Health Canada Pest Management Regulatory Agency
RTK : Right to Know
WHMIS : Workplace Hazardous Materials Information System