



Solve 9119A

Safety Data Sheet

Date Issued: 10/13/2019

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1. **PRODUCT AND COMPANY IDENTIFICATION**

Product Name: Solve 9119A

Company Identification: WaterSolve, LLC
5031 68th Street
Caledonia, Michigan 49316, USA www.gowatersolve.com

For Product Information: 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)

Recommended use of the chemical and restrictions on use

2. **HAZARDS IDENTIFICATION**

GHS Classification in accordance with 29 CFR 1910.1200

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom2012).

GHS Label element

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom2012).

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.

If swallowed: IF SWALLOWED: Call POISON CENTER/doctor if you feel unwell. Do not give milk or alcoholic beverages. Never give anything by mouth to an unconscious person. If symptoms persist, call a physician.

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

In case of Eye Contact: Flush eyes with water as a precaution. Remove contact lenses. Protect unharmed eye. If eye irritation persists, consult a specialist.

If Inhaled: If breathed in, move person into fresh air. If unconscious place in recovery position and seek medical advice. 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, carbon dioxide (CO₂) or dry chemical.

Unsuitable extinguishing media: High volume water jet.

Specific hazards during firefighting: Do not allow run-off from firefighting to enter drains or water courses.

Hazardous combustion products: Carbon dioxide (CO₂), carbon monoxide, Nitrogen oxides (NO_x).

Specific extinguishing methods: Product is compatible with standard fire-fighting agents.

Further information: Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations.

Special Protective Equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus

6. **ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures:

Persons not wearing protective equipment should be excluded from area of spill until clean-up has been completed. Comply with all applicable federal, state, and local regulations.

Environmental precautions:

Prevent product from entering drains. Prevent further leakage or spillage if safe to do so. If the product contaminates rivers and lakes or drains inform respective authorities.

Methods and materials for containment and cleaning up:

Keep in suitable, closed containers, for disposal.

7. **HANDLING AND STORAGE**

ADVICE ON PROTECTION AGAINST FIRE AND EXPLOSION

Normal measures for preventive fire protection.

ADVICE ON SAFE HANDLING:

Eating, drinking and smoking should be prohibited in the application area. For personal protection (see Section 8). Dispose of rinse water in accordance with local and national regulations.

CONDITIONS FOR SAFE STORAGE:

Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage. Electrical installations/working materials must comply with the technological safety standards.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Components with workplace control parameters

Contains no substances with occupational exposure limit values

Engineering measures: 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 protective equipment:

Hand protection:

Material: nitrile rubber

Remarks: The suitability for a specific workplace should be discussed with the producers of the protective gloves.

Eye protection: Not required under normal conditions of use. Wear splash-proof safety goggles if material could be misted or splashed into eyes.

Skin and body protection: Wear as appropriate: impervious clothing, safety shoes. Choose body protection according to the amount and concentration of the dangerous substances at the work place. Discard gloves that show tears, pinholes, or signs of wear. Wear resistant gloves (consult your safety equipment supplier).

Hygiene measures: Wash hands before breaks and at the end of the workday.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	liquid
Color:	light yellow, clear
Odor:	none
Odour threshold:	No data available
pH:	4-7
Melting point/freezing point:	<0°C
Boiling Point boiling range:	>100°C
Flash point:	Does not flash
Evaporation Rate:	No data available
Flammability (solid, gas):	No data available
Self-ignition:	Does not ignite
Explosive properties Upper Limits:	Not applicable
Lower limits:	Not applicable
Vapor Pressure:	2.3kPa (20°C)
Relative vapor density:	0.804 (20°C)
Relative density:	1.1-1.2
Density:	No data available
Solubility in Water:	completely miscible
Solubility in other solvents:	No data available
Partition coefficient (n-octanol/water):	log Pow: <0
Decomposition temperature:	>150°C
Viscosity, dynamic	650 - 1,000 cps (25°C) 30 RPM
Viscosity, kinematic	No data available

Oxidizing properties: The substance or mixture is not classified as oxidizing.

10. **STABILITY AND REACTIVITY**

Reactivity: No decompositions 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: Freezing temperatures.

Incompatible Materials: aluminum, copper, iron, strong mineral acids, strong oxidizing agents

Hazardous decomposition products: Carbon dioxide (CO₂), carbon monoxide, nitrogen oxides (NO_x).

11. **TOXICOLOGICAL INFORMATION**

Acute toxicity
Not classified based on available information.

Product:

Acute oral toxicity: LD 50 (Rat): > 2,000 mg/kg

Acute dermal toxicity: LD 50 (Rat): > 2,000 mg/kg

Skin corrosion/irritation

Not classified based on available information

Product:

Result: Mildly irritating to skin

Serious eye damage/eye irritation

Not classified based on available information

Product:

Result: Mildly irritating to eyes.

Remarks: Unlikely to cause eye irritation or injury.

Skin or Respiratory sensitization:

Skin sensitization:

Not classified based on available information.

Respiratory sensitization:

Not classified based on available information.

Product:

Germ cell mutagenicity:

Not classified based on available information

Carcinogenicity:

Not classified based on available information

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 presents at levels greater than or equal to 0.1 % is on OSHA's list of regulated carcinogens.

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.

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.

12. **ECOLOGICAL INFORMATION**

Ecotoxicity

Product:

Toxicity to fish: LC 50 (Zebra fish (Danio rerio)): > 10 mg/l
Exposure time: 96hr.
Method: OECD Test Guideline 203

Toxicity of daphnia and other Aquatic invertebrates: EC 50 (Daphnia magna (Water flea)): > 10 mg/l
Exposure time: 48hr.
Method: OECD Test Guideline 202

Ecotoxicology Assessment

Acute aquatic toxicity: Acute aquatic toxicity Category 3; Harmful to aquatic life.
Chronic aquatic toxicity: Acute aquatic toxicity Category 3; Harmful to aquatic life with long lasting effects

Persistence and degradability

Product:

Biodegradability: Result: Not readily biodegradable

Bioaccumulative potential:

No data available

Mobility in soil:

No data available

Other adverse effects:

Product:

Additional ecological information: An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. **DISPOSAL CONSIDERATIONS**

Disposal methods

Waste from residues: The product should not be allowed to enter drains, water courses or the soil. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of in accordance with all applicable local, state and federal regulations. Sent to a licensed waste management company.

Contaminated packaging: Empty remaining contents. Dispose of as unused product. Empty containers should be taken to an approved waste handling site for recycling or disposal. Do not re-use empty containers.

14. **TRANSPORT INFORMATION**

International Transport Regulations

ID NUMBER	PROPER SHIPPING NAME	*HAZARD CLASS	SUBSIDIARY HAZARDS	PACKING GROUP	MARINE POLLUTANT /LTD. QTY.
U.S. DOT -ROAD					Not dangerous goods
U.S. DOT - RAIL					Not dangerous goods
U.S. DOT – INLAND WATERWAYS					Not dangerous goods
TRANSPORT CANADA - ROAD					Not dangerous goods
TRANSPORT CANADA - RAIL					Not dangerous goods
INTERNATIONAL MARITIME DANGEROUS GOODS					Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOC. - CARGO					Not dangerous goods
INTERNATIONAL AIR TRANSPORT ASSOC. - PASSENGER					Not dangerous goods
MEXICAN REGULATION FOR THE LAND TRANSPORT OF HAZARDOUS MATERIALS AND WASTES					Not dangerous goods
*ORM = ORM-D, CBL=COMBUSTIBLE LIQUID					
Marine pollutant				No	

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

15. **REGULATORY INFORMATION**

EPCRA – Emergency Planning and Community Right-to-Know Act

SARA 304 Extremely Hazardous Substances Reportable Quantity

This material does not contain any components with a section 304 EHS RQ.

SARA 302 Extremely Hazardous Substances Threshold Planning Quantity

This material does not contain any components with a section 302 EHS TPQ.

SARA 311/312 Hazards: No SARA Hazards

SARA 313 Components: 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: Proposition 65 warnings are not required for this product based on the results of a risk assessment.

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

TSCA: On TSCA Inventory
 DSL: All components of this product are on the Canadian DSL.
 AICS: On the inventory, or in compliance with the inventory.

KECI:	On the inventory, or in compliance with the inventory.
ENCS:	On the inventory, or in compliance with the inventory.
PICCS:	On the inventory, or in compliance with the inventory.
TCSI:	On the inventory, or in compliance with the inventory.
IECSC:	On the inventory, or in compliance with the inventory.

TSCA List

No substances are subject to a Significant New Use Rule.

No substances are subject to TSCA 12(b) export notification requirements.

16. OTHER 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 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
STEL: Short-term exposure limit
SDS Safety Data Sheet
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
(WAF): water-accommodated fraction