



## Solve 9340

### Safety Data Sheet

**Date Issued:** 09/07/2018

**Date Revised:** 04/19/2018

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Solve 9340  
**Company Identification:** WaterSolve, LLC  
5031 68th Street  
Caledonia, Michigan 49316, USA  
[www.gowatersolve.com](http://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**

**Eye irritation:** Category 2A

**Specific target organ toxicity:**  
– single exposure: Category 3 (Central nervous system)

**Aspiration Hazard:** Category 1

#### **GHS LABEL ELEMENTS**

**Hazard pictograms:**



**Signal Word:** Danger

**Hazard Statements:**  
H304 May be fatal if swallowed and enters airways.  
H319 Causes serious eye irritation.  
H336 May cause drowsiness or dizziness.

**Precautionary Statements:**

#### **Prevention:**

P261 Avoid breathing dust/fume/gas/mist/vapors/spray  
P264 Wash skin thoroughly after handling.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear eye protection/face protection.

**Response:**

P301 + P310 IF SWALLOWED: Immediately call a POISON CENTER/ doctor.

P304 + P340 + P312 IF INHALED: Remove person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor if you feel unwell.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P331 Do NOT induce vomiting.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Storage:**

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P405 Store locked up

**Disposal:**

P501 Dispose of contents/container to an approved waste disposal plant

**Other hazards**

None known

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

Substance/Mixture: Mixture

Chemical nature: Static Accumulator

**Hazardous Components**

Chemical Name	CAS#	Classification	CONCENTRATION %
ALIPHATIC HYDROCARBON	Trade Secret	Flam. Liq. 4; H227 Asp. Tox. 1; H304	>=20 - < 30
POLYMER	Trade Secret	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 1 - <1.5

4. **FIRST AID MEASURES**

General Advice

Move out of dangerous area.

Call a POISON CENTRE or doctor/physician if exposed or you feel unwell.

Show this safety data sheet to the doctor in attendance.

Symptoms of poisoning may appear several hours later.

Do not leave the victim unattended

If inhaled	Move to fresh air. If unconscious, place in recovery position and seek medical advice. Consult a physician after significant exposure.
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	Immediately flush eye(s) with plenty of water. Remove contact lenses. Protect unharmed eye.
If swallowed	Obtain medical attention Do NOT induce vomiting 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	Inhalation of high concentrations of this material, as could occur in enclosed spaces or during deliberate abuse, may be associated with cardiac arrhythmias. Sympathomimetic drugs may initiate cardiac arrhythmias in persons exposed to this material. This material is an aspiration hazard. Potential danger from aspiration must be weighed against possible oral toxicity when deciding whether to induce vomiting. Signs and symptoms of exposure to this material through breathing, swallowing, and/or passage of the material through the skin may include: stomach or intestinal upset (nausea, vomiting, diarrhea) irritation (nose, throat, airways) Lung irritation confusion irregular heartbeat Convulsions May be fatal if swallowed and enters airways Causes serious eye irritation. May cause drowsiness or dizziness
Notes to physician:	No hazards which require special first aid measures.

5. **FIREFIGHTING MEASURES**

Suitable Extinguishing Media	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Water spray Foam Carbon dioxide (CO <sub>2</sub> ) Dry chemical
Unsuitable extinguishing media	High volume water jet
Specific hazards during firefighting	Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion	Carbon monoxide Carbon dioxide (CO <sub>2</sub> ) Nitrogen oxides(NO <sub>x</sub> ) Hydrocarbons
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 firefighters	In the event of fire, wear self-contained breathing apparatus.

**6. ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Use personal protective equipment. Ensure adequate ventilation. 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	Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). 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	Avoid formation of aerosol. Provide sufficient air exchange and/or exhaust in work rooms. Do not breathe vapours/dust. Do not smoke Container hazardous when empty. Avoid exposure – obtain special instructions before use. Avoid contact with skin and eyes. Smoking, eating and drinking 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. Observe label precautions.

Electrical installations/working materials must comply with the technological safety standards.

## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

### Components with workplace control parameters

COMPONENTS	CAS-No.	Value type (form of exposure)	Control parameters/permissible concentration	Basis
ALIPHATIC HYDROCARBON	Trade Secret	TWA (Mist)	5 mg/m <sup>3</sup>	OSHA Z-1
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
		TWA (Mist)	5 mg/m <sup>3</sup>	OSHA P0
		TWA (Mist)	5 mg/m <sup>3</sup>	NIOSH REL
		ST (Mist)	10 mg/m <sup>3</sup>	NIOSH REL

#### 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

##### Respiratory protection

A NIOSH-approved air-purifying respirator with an appropriate cartridge and/or filter may be permissible under certain circumstances where airborne concentrations are expected to exceed exposure limits (if applicable) or if overexposure has otherwise been determined. Protection provided by air-purifying respirators is limited. Use a positive pressure, air-supplied respirator if there is any potential for uncontrolled release, exposure levels are not known or any other circumstances where an air-purifying respirator may not provide adequate protection.

In the case of vapour formation use a respirator with an approved filter.

##### Hand Protection

###### Remarks

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

##### Eye protection

Wear chemical splash goggles when there is the potential for exposure of the eyes to liquid, vapor, or mist.

##### Skin and body protection

Wear resistant gloves (consult your safety equipment supplier).  
Wear as appropriate:  
Impervious clothing  
Safety shoes  
Choose body protection according to the amount and concentration of the dangerous substance at the work place.

##### Hygiene measures

Wash hand before breaks and at the end of workday.  
When using do not eat or drink.  
When using do not smoke.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	viscous
Colour:	White, milky
Odour:	mild, hydrocarbon-like
Odour threshold:	No data available
pH:	6 – 8
Melting point/freezing point:	-18 ° C
Boiling point/boiling range:	No data available
Flash point:	>93.4 ° C
Evaporation Rate:	< 1
Flammability (solid,gas):	No data available
Self-ignition	No data available
Upper explosion limit:	No data available
Lower explosion limit:	No data available
Vapor Pressure:	No data available
Relative vapor density:	No data available
Relative density:	Approximate 1
Density:	Approximate 1.05 g/cm <sup>3</sup>
Solubility(ies)	
Water solubility:	No data available
Solubility in other solvents:	No data available
Partition coefficient (n-octanol/water):	No data available
Decomposition temperature:	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 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:	Heat, flames and sparks.
Incompatible Materials:	oxidizers Strong acids Strong bases Strong oxidizing agents strong reducing agents.
Hazardous decomposition products:	Carbon monoxide Carbon Dioxide (CO <sub>2</sub> ) Nitrogen oxides (NO <sub>x</sub> ) Hydrocarbons

11. **TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Not classified based on available information.

**Product:**

Acute oral toxicity : Acute oral estimate: >5,000mg/kg  
Method: Calculation method

**Components:**

**ALIPHATIC HYDROCARBON:**

Acute oral Toxicity LD 50 (Rat): > 5,000 mg/kg

Acute inhalation toxicity: LC 50 (Rat, male and female): > 5.28 mg/l  
Exposure time: 4 hr.  
Test atmosphere: vapour  
Method: OECD Test Guideline 403  
Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

Acute dermal toxicity: LD 50 (Rabbit): > 2,000 mg/kg  
Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**POLYMER:**

Acute oral toxicity: Assessment: The component/mixture is classified as acute oral toxicity, category 4.

**Skin corrosion/irritation:**

Not classified based on available information

**Product**

**Result:** Repeated exposure may cause skin dryness or cracking

**Remarks:** May cause skin irritation in susceptible persons.

**Components:**

**ALIPHATIC HYDROCARBON:**

Result: Mildly irritating to skin.

**POLYMER:**

Result: Not irritating to skin.

**Serious eye damage/eye irritation:**

Causes serious eye irritation.

**Product:**

Remarks: Vapors may cause irritation to the eyes, respiratory system and the skin. Causes serious eye irritation.

**Components:**

**ALIPHATIC HYDROCARBON:**

Result: Mildly irritating to eyes.

**POLYMER:**

Result: Corrosive to the eyes.

**Respiratory or skin sensitization:**

**Skin sensitization:** Not classified based on available information

**Respiratory sensitization:** Not classified based on available information

**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 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.

**Reproductive toxicity:**  
Not classified based on available information

**STOT – single exposure:**  
May cause drowsiness or dizziness.

**STOT – repeated exposure:**  
Not classified based on available information

**Aspiration toxicity:**  
May be fatal if swallowed and enters airways

**Product:**  
May be fatal if swallowed and enters airways

**Components:**  
**ALIPHATIC HYDROCARBON:**  
The substance or mixture is known to cause human aspiration toxicity hazards or has to be regarded as if it causes a human aspiration toxicity hazard.

**Further information**

**Product:**  
Remarks: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting. Concentrations substantially above the TLV value may cause narcotic effects. Solvents may degrease the skin.

12. **ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Product:**

Toxicity to fish: : LC 50 (Pimephales promelas (fathead minnow)): 16.53mg/l  
Exposure time: 96 h  
Test Type: static test

Toxicity to daphnia and other Aquatic invertebrates: : EC 50 (Water flea (Daphnia magna)): 4.55 mg/l  
Exposure time: 48 h  
Test Type: static test

**Ecotoxicology Assessment**



Acute Aquatic toxicity : Acute aquatic toxicity Category 2; Toxic to aquatic life.  
Chronic aquatic toxicity : Not classified based on available information.

**Components:**

**ALIPHATIC HYDROCARBON:**

**Ecotoxicology Assessment**

Acute aquatic toxicity : No toxicity at the limit of solubility.

Chronic aquatic toxicity : No toxicity at the limit of solubility.

**Persistence and degradability**

**Product:**

Biodegradability : Result: Readily biodegradable.  
: Remarks: Readily biodegradable

**Components:**

**POLYMER:**

Biodegradability : Biodegradation: > 90%  
Exposure time: 28 d  
Method: OECD Test Guideline 301E  
Remarks: Information given is based on data obtained from similar substances.

**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.  
Send to a licensed waste management company.

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

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
TRANSPORT CANADA – INLAND WATERWAYS					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
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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 302 Extremely Hazardous Substances Threshold Planning Quantity**

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

**SARA 311/312 Hazards:** : Serious eye damage or eye irritation  
Specific target organ toxicity (single or repeated exposure)  
Aspiration hazard

**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-**

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:**

DSL: : All components of this product are on the Canadian DSL  
AICS: : On the inventory, or in compliance with the inventory.  
ENCS: : Not in compliance with the inventory.  
KECI: : On the inventory, or in compliance with the inventory.  
PICCS: : On the inventory, or in compliance with the inventory.  
IECSC: : On the inventory, or in compliance with the inventory.  
TCSI: : On the inventory, or in compliance with the inventory.  
TSCA: : On the TSCA inventory

TSCA List

No substances are subject to a Significant New Use Rule.

## **16. OTHER INFORMATION**

### **Further information**

Revision Date: 04/19/2018

### **Full text of H-Statements**

H227	: Combustible liquid.
H302	: Harmful if swallowed.
H304	: May be fatal if swallowed and enters airways
H318	: Causes serious eye damage.

### **Full text of other abbreviations**

Acute Tox.	: Acute toxicity
Asp. Tox.	: Aspiration hazard
Eye Dam.	: Serious eye damage
Flam. Liq.	: Flammable liquids

## **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 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  
LC<sub>xx</sub>: Lethal Concentration, for xx percent of test population  
LD<sub>xx</sub>: Lethal Dose, for xx percent of test population  
IC<sub>xx</sub>: Inhibitory Concentration for xx of a substance  
EC<sub>xx</sub>: 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