



Solve 9340

Safety Data Sheet

Date Issued: 10/22/2021

Date Revised: 06/23/2021

1. **PRODUCT AND COMPANY IDENTIFICATION**

Product Identifier: Solve 9340

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

Use of the Substance/Mixtures: Industrial chemical

2. **HAZARDS IDENTIFICATION**

GHS classification in accordance with the OSHA Hazard Communication Standard (29 CFR 1910.1200)

Eye irritation: Category 2A

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.

Precautionary Statements:
Prevention: P264 Wash skin thoroughly after handling.
P280 Wear eye protection/face protection.

Response:

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

P405 Store locked up.

Disposal:

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

Other hazards

Material can create slippery conditions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Chemical nature: Static Accumulator

Components

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

Actual concentration is withheld as a trade secret

4. FIRST AID MEASURES

General Advice:

Move out of dangerous area.
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 breathed in, move person into fresh air.
If unconscious, place in recovery position and seek medical advice.
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:

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:

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. 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. May be fatal if swallowed and enters airways. Causes serious eye irritation.

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 (CO₂)

Dry chemical

Unsuitable extinguishing media High volume water jet

Specific hazards during firefighting: If product is heated above its flash point it will produce vapors sufficient to support combustion. Vapors are heavier than air and may travel along the ground and be ignited by heat, pilot lights, other flames and ignition sources at locations near the point of release. Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products Carbon monoxide
Carbon dioxide (CO₂)
Nitrogen oxides(NO_x)
Hydrocarbons

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

Further information Material can create slippery conditions.
Water may cause extremely slippery conditions.
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 Material can create slippery conditions.
Use personal protective equipment.
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.
Do not flush with water.

7. HANDLING AND STORAGE

Advice on protection against fire and explosion

Normal measures for preventive fire protection

Advice on safe handling

Avoid spillage on floor as the product can become very slippery.
Do not breathe vapours/dust.
Do not smoke
Container hazardous when empty.
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.

Further information on storage stability

No decomposition if stored and applied as directed.

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 ³ | OSHA Z-1 |
| | | TWA | 200 mg/m ³ (total hydrocarbon vapor) | ACGIH |
| | | TWA (Mist) | 5 mg/m ³ | OSHA P0 |
| | | TWA (Mist) | 5 mg/m ³ | NIOSH REL |
| | | ST (Mist) | 10 mg/m ³ | 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

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 as appropriate: Impervious clothing Safety shoes Choose body protection according to the amount and concentration of the dangerous substance at the work place. Wear resistant gloves (consult your safety equipment supplier). |
| 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: | -0.40 °F / -18 °C |
| Boiling point/boiling range: | No data available |
| Flash point: | > 200.1 °F / > 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: | ca. 1 |
| Density: | ca. 1.05 g/cm ³ |
| 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 (CO₂)
Nitrogen oxides (NO_x)
Hydrocarbons

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Not classified based on available information.

Components:

ALIPHATIC HYDROCARBON:

Acute oral Toxicity

LD50 (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.

ALKOXYLATED FATTY ALCOHOL:

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

Remarks:

May cause skin irritation in susceptible persons.

Components:

ALIPHATIC HYDROCARBON:

Result:

Mildly irritating to skin.

ALKOXYLATED FATTY ALCOHOL:

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.

ALKOXYLATED FATTY ALCOHOL:

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:

Not classified based on available information.

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: Solvents may degrease the skin.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 16.53mg/l
Exposure time: 96 h
Test Type: static test

Toxicity to daphnia and other
Aquatic invertebrates: EC 50 (Daphnia magna (Water flea)): 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:

ALKOXYLATED FATTY ALCOHOL:

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.
Toxic to aquatic life.

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 Regulations

IATA-DGR

Not regulated as a dangerous good

IMDG-Code

Not regulated as a dangerous good

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable for product as supplied.

National Regulations

49 CFR

Not regulated as a dangerous good

Special precautions for user

The transport classification(s) provided herein are for informational purposes only, and solely based upon the properties of the unpackaged material as it is described within this Safety Data Sheet. Transportation classifications may vary by mode of transportation, package sizes, and variations in regional or country regulations.

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:

Aspiration hazard
Serious eye damage or eye irritation

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:

TCSI: On the inventory, or in compliance with the inventory.
TSCA: All substances listed as active on the TSCA inventory.
AIIC: On the inventory, or in compliance with the inventory.
DSL: All components of this product are on the Canadian DSL
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.
NZIOC: 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

Further information

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 |
| ACGIH | USA. ACGIH Threshold Limit Values (TLV) |
| NIOSH REL | USA. NIOSH Recommended Exposure Limits |
| OSHA P0 | USA. OSHA – Table Z-1 Limits for Air Contaminants – 1910.1000 |
| OSHA Z-1 | USA. Occupational Exposure Limits (OSHA) – Table Z-1 Limits for Air Contaminants |
| ACGIH / TWA | 8-hour, time-weighted average. |
| NIOSH REL / TWA | Time-weighted average concentration for up to a 10-hour workday during a 40-hour workweek |
| NIOSH REL / ST | STEL – 15-minute TWA exposure that should not be exceeded at any time during the workday. |
| OSHA P0 / TWA | 8-hour, time weighted average |
| OSHA Z-1 / TWA | 8-hour time weighted average |

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
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