



Solve 9330

Safety Data Sheet

Date Issued: 09/11/2019

Date Revised: 05/31/2019

1. PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Solve 9330

Recommended use of the chemical and restrictions on use:

Use of the Substance/Mixture: Industrial chemical

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)

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION in accordance with 29 CFR 1910.1200

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

GHS Label Elements

This material is not considered hazardous under the OSHA Hazard Communication Standard (HazCom 2012).

Other Hazards: None known.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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
ALKANOL POLYALKOXYLATE	Trade Secret	Acute Tox. 4; H302 Eye Irrit. 2A; H319	>= 1 - < 1.5

4. FIRST AID MEASURES

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

If swallowed: 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: Remove contact lenses. Protect unharmed eye.

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.

Specific hazards during firefighting:

Do not allow run-off from fire fighting to enter drains or water courses.

Hazardous combustion products:

Carbon dioxide (CO₂), carbon monoxide, Hydrocarbons, Nitrogen oxides (NO_x), toxic fumes

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:

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:

Smoking, eating and drinking should be prohibited in the application area.

For personal protection see Section 8.

Conditions for Safe Storage:

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.

Materials to Avoid:

No materials to be especially mentioned.

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:

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 protective equipment

Respiratory protection:

No personal respiratory protective equipment normally required.

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 resistant gloves (consult your safety equipment supplier).

Wear as appropriate: safety shoes.

Hygiene measures: General industrial hygiene practice.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:

liquid

Color:

milky

Odor:

mild, hydrocarbon-like

Odour threshold:	No data available
pH:	No data available
Melting point/freezing point:	No data available
Boiling Point/boiling range:	No data available
Flash point:	> 93.3°C
Evaporation Rate:	<1
Flammability (solid, gas):	No data available
Self-ignition:	No data available
Explosive properties:	
Lower / upper limits:	No data available
Vapor Pressure:	22.7 hPa (20°C)
Relative vapor density:	No data available
Relative density:	No data available
Density:	ca. 1.05 g/cm ³
Solubility in Water:	No data available
Solubility in other solvents:	No data available
Partition coefficient (n-octanol/water):	No data available
Decomposition temperature:	No data available
Viscosity, dynamic	No data available
Viscosity, kinematic	> 21 mm ² /s (40°C)
	Based on a similar product formulation.
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:	Protect from frost, heat, flames and sparks.
Incompatible Materials:	strong acids, strong oxidizing agents, halogens, strong reducing agents.
Hazardous decomposition Products:	Carbon monoxide, Carbon dioxide (CO ₂), Nitrogen oxides (NO _x), Hydrocarbons

11. TOXICOLOGICAL INFORMATION

Acute toxicity
Not classified based on available information.

Product:

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

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

Components:

ALIPHATIC HYDROCARBON:

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

Acute inhalation toxicity: LD 50 (Rat, male and female): > 5.28 mg/l
Exposure time: 4 hr.
Test atmosphere: vapor
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.

ALKANOL POLYALKOXYLATE:

Acute oral toxicity: LD 50 (Rat): 1,940 mg/kg

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

Skin corrosion/irritation:
Not classified based on available information.

Product:

Result: Repeated exposure may cause skin dryness or cracking.

Components:

ALIPHATIC HYDROCARBON:
Result: Mildly irritating to skin.

ALKANOL POLYALKOXYLATE:
Result: Not irritating to skin.

Serious eye damage/eye irritation:
Not classified based on available information.

Product:

Remarks: Unlikely to cause eye irritation or injury.

Components:

ALIPHATIC HYDROCARBON:
Result: Mildly irritating to eyes.

ALKANOL POLYALKOXYLATE:
Result: Irritating to 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

Not classified based on available information.

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: No data available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Product:

Toxicity to fish: LC50 (Pimephales promelas (fathead minnow)): 68.3 mg/l
Exposure time: 96 h

**Toxicity to daphnia and other
Aquatic invertebrates:**

EC50 (Daphnia magna (water flea)): 0.64 mg/l
Exposure time: 48 h

Ecotoxicology Assessment

Acute aquatic toxicity: Acute aquatic toxicity Category 3; Harmful 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.

ALKANOL POLYALKOXYLATE:

Toxicity to fish: LC50 (Danio rerio (Zebra Fish)): 1 – 10 mg/l

Exposure time: 96h

**Toxicity of daphnia and other
Aquatic invertebrates:**

EC50 (Water flea (daphnia magna)): 5 – 10 mg/l
Exposure time: 48 h

Toxicity to microorganisms:

EC50: > 1,000 mg/l

Persistence and degradability

Components:

ALKANOL POLYALKOXYLATE:

Biodegradability:

Biodegradation: 50 – 70%
Exposure time: 28 d

Dissolved organic carbon (DOC):

540 mg/g

Chemical Oxygen Demand (COD):

2,170 mg/l
Method: Chemical Oxygen demand

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: Dispose of in accordance with all applicable local, state and federal regulations. This product should not be allowed to enter drains, water courses or the soil.

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.

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 - RAIL					Not dangerous goods
TRANSPORT CANADA - ROAD					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:

No SARA Hazards

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:

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.
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 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

Full text of H-Statements

H227	Combustible liquid.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H319	Causes serious eye irritation.

Full text of other abbreviations:

Acute Tox.:	Acute toxicity
Asp. Tox.:	Aspiration hazard
Eye Irrit.:	Eye irritation
Flam. Liq.:	Flammable liquids

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:

AICS: Australian Inventory of Chemical Substances
 ASTM: American Society for the Testing of Materials
 ACGIH: American Conference of Industrial Hygienists
 bw: Body Weight
 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
 DIN: Standard of the German Institute for Standardization
 DSL: Domestic Substances List (Canada)
 ECx: Concentration associated with x% response
 EmS: Emergency Schedule
 ENCS: Existing and New Chemical Substances
 ErCx: Concentration associated with x% growth rate response
 ERG: Emergency Response Guide
 FG: Food grade
 FIFRA: Federal Insecticide, Fungicide, and Rodenticide Act
 GHS: Globally Harmonized System of Classification and Labeling of Chemicals
 GLP: Good laboratory practice
 H-statement: Hazard Statement
 HMIRC: Hazardous Materials Information Review Commission
 HMIS: Hazardous Materials Identification System
 IARC: International Agency for Research on Cancer
 IATA: International Air Transport Association
 IATA-DGR: Dangerous Goods Regulation by the "International Air Transport Association" (IATA)
 IBC: International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50: Half maximal inhibitory concentration
 ICAO: International Civil Aviation Organization
 ICAO-TI (ICAO): Technical Instructions by the "International Civil Aviation Organization"
 IECSC: Inventory of Existing Chemical Substances in China
 IMDG: International Maritime Code for Dangerous Goods
 IMO: International Maritime Organization
 ISHL: Industrial Safety and Health Law (Japan)
 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
 KECI: Korea Existing Chemicals Inventory
 MARPOL: International Convention for the Prevention of Pollution from Ships
 MSHA: Mine Safety and Health Administration
 n.o.s.: Not otherwise Specified
 NFPA: National Fire Protection Association
 NO(A)EC: No Observable Effect Loading Rate
 NO(A)EL: No Observable (Adverse) Effect Level
 NTP: National Toxicology Program
 NIOSH: National Institute for Occupational Safety and Health
 NOELR: No Observable Effect Loading Rate
 NZIoC: New Zealand Inventory of Chemicals
 OECD: Organization for Economic Co-operation and Development
 OPPTS: Office of Chemical Safety and Pollution Prevention
 OEL: Occupational Exposure Limit
 OSHA: Occupational Safety and Health Administration
 P-Statement: Precautionary Statement
 PBT: Persistent, Bioaccumulative and Toxic

PICCS: Philippines Inventory of Chemicals and Chemical Substances
PMRA: Health Canada Pest Management Regulatory Agency
PPE: Personal Protective Equipment
Q SAR: (Quantitative) Structure Activity Relationship
RCRA: Resource Conservation and Recovery Act
REACH: Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the
Registration, Evaluation, Authorization and Restriction of Chemicals
RQ: Reportable Quantity
RTK: Right to Know
SADT: Self Accelerating Decomposition Temperature
SARA: Superfund Amendments and Reauthorization Act
STEL: Short-term exposure limit
SDS Safety Data Sheet
STOT: Specific Target Organ Toxicity
TCSI: Taiwan Chemical Substance Inventory
TSCA: Toxic Substances Control Act (United States)
TLV: Threshold Limit Value
TWA: Time-weighted average
UN: United Nations
UNRTDG: United Nations Recommendations on the Transport of Dangerous Goods
vPvB: Very Persistent and Very Bioaccumulative
WEL: Workplace Exposure Level
WHMIS: Workplace Hazardous Materials Information System
(WAF): *water-accommodated fraction*