



## Solve 9205

### Safety Data Sheet

**Date Issued:** 10/21/2020

**Date Revised:** 02/23/2018

#### 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name:** Solve 9205  
**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 chemical and restrictions on use:** Use of substance/mixture

#### 2. HAZARDS IDENTIFICATION

##### GHS Classification

Eye irritation: Category 2A

##### GHS Label element

Hazard pictograms:



**Signal word:**

**Warning**

**Hazardous statements:**

H319 Causes serious eye irritation.

**Precautionary Statements:**

**Prevention:**

P264 Wash skin thoroughly after handling  
P280 wear eye protection/face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P337 + P313 if eye irritation persists: Get medical advice/ attention.

**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. Lig. 4; H227 Asp. Tox. 1; H304	>=20.00 - <30.00
ALCOHOL ALKOXYLATES	Trade Secret	Acute Tox. 4; H302 Eye Dam. 1; H318	>= 1.50 - <3.00

#### 4. **FIRST AID MEASURES**

**General Advice:** Move out of dangerous area. Show this safety data sheet to the doctor in attendance. Do not leave the victim unattended.

**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:** Immediately flush with plenty of water. Remove contact lenses. Protect unharmed eye.

**If Inhalation:** 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:**

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. Causes serious eye irritation.

**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 (CO<sub>2</sub>) 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 (CO<sub>2</sub>), carbon monoxide, 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 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 and non-combustible absorbent material, (e.g. sand, silica gel, acid binder, universal binder, sawdust). Keep in suitable, closed containers, for disposal.

**7. HANDLING AND STORAGE**

**Advise on protection against fire and explosion:** Normal measures for preventive fire protection.

**Advice on Safe Handling:** Do not breathe vapors/dust. Do not smoke. Container hazardous when empty. Avoid contact with skin and eyes. Eating, drinking, or 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**

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 levels 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 splash-proof goggles where there is the potential for exposure to the eyes to liquid, vapor or mist.

**Skin and body protection**

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

**Hygiene measures:** Wash hands before breaks and at the end of the workday. When using do not eat, drink or smoke.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

<b>Appearance:</b>	viscous
<b>Color:</b>	White
<b>Odor:</b>	mild, hydrocarbon-like
<b>Odour threshold:</b>	No data available
<b>pH:</b>	No data available
<b>Melting point/freezing point:</b>	No data available
<b>Boiling Point/boiling range:</b>	No data available
<b>Flash point:</b>	> 100°C Method : Cleveland open cup
<b>Evaporation Rate:</b>	<1
<b>Flammability (solid, gas):</b>	No data available
<b>Self-ignition:</b>	No data available
<b>Upper Explosion Limit:</b>	No data available
<b>Lower Explosion Limit:</b>	No data available
<b>Vapor Pressure:</b>	No data available
<b>Relative vapor density:</b>	No data available
<b>Relative density:</b>	1
<b>Density:</b>	Approximate 1.03 g/cm <sup>3</sup>
<b>Solubility in Water:</b>	Soluble
<b>Solubility in other solvents:</b>	No data available
<b>Partition coefficient (n-octanol/water):</b>	No data available
<b>Thermal decomposition:</b>	No data available
<b>Viscosity, dynamic</b>	No data available
<b>Viscosity, kinematic</b>	> 21 mm <sup>2</sup> /s (40°C) Based on similar product formulation.
<b>Oxidizing properties:</b>	No data available

10. **STABILITY AND REACTIVITY**

<b>Reactivity:</b>	No decompositions if stored and applied as directed.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Possibility of Hazardous reactions:</b>	Product will not undergo hazardous polymerization.
<b>Conditions to avoid:</b>	Heat, flames and sparks.
<b>Incompatible Materials:</b>	Strong oxidizing agents, strong reducing agents
<b>Hazardous decomposition products:</b>	Carbon dioxide (CO <sub>2</sub> ), carbon monoxide, nitrogen oxides (NO <sub>x</sub> ), 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

**Components**

**ALIPHATIC HYDROCARBON:**

**Acute oral toxicity:**

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

**Acute inhalation toxicity:**

LC50 (Rat, male and female):> 5.28mg/l

Exposure time: 4h

Test atmosphere: vapor

Method:OECD Test Guideline 403

Assessment: No adverse effect has been observed in acute inhalation toxicity tests.

**Acute dermal toxicity:**

LD50 (Rabbit, male and female): > 2,000 mg/kg

Assessment: No adverse effect has been observed in acute dermal toxicity tests.

**ALCOHOL ALKOXYLATES**

**Acute oral toxicity:**

LD 50 (Rat): 1,380 mg/kg

**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.

**ALCOHOL ALKOXYLATED**

Result: Not irritating to skin.

**Serious eye damage/eye irritation:**

Causes serious eye irritation.

**Product:**

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

**Components:**

**ALIPHATIC HYDROCARBON:**

Result: Mildly irritating to eyes.

**ALCOHOL ALKOXYLATED**

Result: Risk to serious damage 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 presents at levels greater than or equal to 0.1 % is identified as 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:**

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

**ALCOHOL ALKOXYLATES**

**Toxicity to fish:**

LC50 (Fish): >1 - 10 mg/l

Exposure time: 96h

Test Type: semi-static test

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

EC50 (Daphnia (Water flea)): > 1 – 10 mg/l  
Exposure time: 48h  
Test Type: static test

**Toxicity to daphnia and other  
Aquatic invertebrates  
(chronic toxicity):**

EC50 (Daphnia (Water flea)): 0.17 mg/l  
Exposure time: 21d

**Ecotoxicology Assessment  
Chronic aquatic toxicity:**

Harmful to aquatic life with long lasting effects.

**Persistence and degradability  
Components**

**ALCOHOL ALKOXYLATES**

Biodegradability: Result: 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 residue:** 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.
IATA-DGR					
Not dangerous goods					

**IMDG-Code**

Not dangerous goods	
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**CFR**

Not dangerous goods
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**\*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 descriptions 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.

**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.
TCSI:	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.
AICS:	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

**16. OTHER INFORMATION****Full text of H-Statements referred to under Sections 2 and 3.**

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

AICS - Australian Inventory of Chemical Substances; ASTM - American Society for the Testing of Materials; bw - Body weight; CERCLA - Comprehensive Environmental Response, Compensation, and Liability Act; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DOT - Department of Transportation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; EHS - Extremely Hazardous Substance; ELx - Loading rate



associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; HMIS - Hazardous Materials Identification System; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; 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; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); 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 Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (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, Authorisation and Restriction of Chemicals; RQ - Reportable Quantity; SADT - SelfAccelerating Decomposition Temperature; SARA - Superfund Amendments and Reauthorization Act; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative

US / EN

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