



## Solve 7605

### Safety Data Sheet

**Date Issued: 08/19/15**

**Date Revised: 08/19/15**

#### 1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: **SOLVE 7605**  
CHEMICAL TYPE: Mixture  
IDENTIFIED USE: Precipitant  
COMPANY: WaterSolve, LLC, 5031 68<sup>th</sup> Street Caledonia, MI 49316, USA  
For Product information call 616-575-8693 [www.gowatersolve.com](http://www.gowatersolve.com)

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

**Classification of the substance or mixture**

OSHA HCS (29 CFR 1910.1200) Skin Irritant. 1A; Eye Damage 2

**Label elements**

**Hazard Symbol**



**SIGNAL WORD(S)** **DANGER**

**Hazard Statement(s):** May cause skin and eye irritation.

**Precautionary Statement(s):** Wear protective gloves/protective clothing/eye protection/face protection.  
Wash thoroughly after handling.

**IF ON SKIN or (hair):** Take off immediately all contaminated clothing. Wash with plenty of water. If irritation (redness, rash, blistering) develops, get medical attention.

**IF IN EYES:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

**IF SWALLOWED:** Rinse mouth. DO NOT induce vomiting.

**IF INHALED:** Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTER or doctor/physician.

Wash contaminated clothing before reuse.

Storage: Store locked up.

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

**OTHER HAZARDS:** The following percentage of the mixture consists of ingredient (s) with unknown acute toxicity: 60%

**ADDITIONAL INFORMATION:** Warning-this preparation contains a substance not yet tested completely. (>10%)

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

<b>Hazardous Ingredients</b>	<b>% wt.</b>	<b>CAS No.</b>
Sodium Dimethyldithiocarbamate	>= 30 - <50	128-04-1

4. **FIRST AID MEASURES**

**Description of first aid measures**

**Inhalation:** Remove to fresh air and keep at rest in a position comfortable for breathing. If breathing is labored, administer oxygen. If symptoms occur obtain medical attention.

**Skin Contact:** Wash off immediately with soap and water while removing all contaminated clothing and shoes and flush affected area with soap and water for at least 15 minutes. If irritation (redness, rash, blistering) develops get medical attention. Wash or discard contaminated clothing and shoes.

**Eye Contact:** In case of eye contact, remove contact lens and rinse immediately with plenty of water also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Get medical attention immediately.

**Ingestion:** **DO NOT** induce vomiting without medical advice. If conscious, drink plenty of water. Never give anything by mouth to an unconscious person.

**Most important symptoms and effects, both acute and delayed:** None known.

**Indication of any immediate medical attention and special treatment needed:** Treat symptomatically.

5. **FIRE-FIGHTING MEASURES**

**Extinguishing Media**

-Suitable Extinguishing Media: Use dry chemical, foam or carbon dioxide, ABC powder, water mist.

-Unsuitable Extinguishing Media: As appropriate for surrounding fire.

**Special hazards arising from the substance or mixture:**

Burning produces irritant fumes. Exposure to decomposition products may be a hazard to health. Cool closed containers exposed to fire with water spray. Do not allow run-off from fire fighting to enter drains of water courses.

**Advice for fire-fighters:** A breathing apparatus and suitable protective clothing should be worn in fire conditions. Keep containers cool by spraying with water if exposed to fire.

6. **ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Put on protective equipment before entering danger area. Wear protective gloves/protective clothing/eye protection/face protection.

**Environmental precautions:** Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Do not allow contact with soil, surface or ground water. Do not allow uncontrolled discharge of product into the environment.

**Methods and material for containment and cleaning up:** Dam up. Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.

**Reference:** None

**Additional Information:** None

7. **HANDLING AND STORAGE**

**Precautions for safe handling:** Wear protective gloves/protective clothing/eye protection/face protection. When using do not eat, drink or smoke.

**Conditions for safe Storage, including any incompatibilities:**

-storage temperature: No smoking. Keep in properly labelled containers. Observe label precautions. Keep containers tightly closed in a dry, cool and well-ventilated place.

-Incompatible materials: Do not freeze. Keep away from food and drink. Keep away from tobacco products.

**Specific end use(s):** Precipitant

8. **EXPOSURE CONTROLS/PROTECTIVE MEASURES**

**Occupational Exposure Limits**

**Components with workplace control parameters**

Contains no substances with occupational exposure limit values.

**Exposure measures:** Handle only in a place equipped with local exhaust (or other appropriate exhaust). Maintain air concentrations below occupational exposure standards.

**Hazardous components without workplace control parameters:**

**Components: Sodium dimethyldithiocarbamate CAS – No. 128-04-1**

**Appropriate engineering controls:** Ensure that the eye flushing systems and safety showers are located close to the working place.

**Personal Protection equipment:**

**Eye Protection:** Safety glasses with side-shields. Tightly fitting safety goggles/face shield.

**Skin Protection hand protection/other:** The following to be used as necessary: Gloves (Neoprene or Natural rubber). Chemical protection suit. Wear Safety or chemical resistant shoes or boots. Check with protective equipment manufacturer's data.

**Respiratory Protection:** Normally no personal respiratory protection is necessary, if good ventilation in areas. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use NIOSH approved respiratory protection.

**Ventilation:** Always store and use all chemicals in well ventilated areas.

**Thermal hazards:** Not normally required. Use gloves with insulation for thermal protection, when needed.

**Environmental Exposure Controls:** Collect all precipitate. Disposal should be in accordance with local, state, international or national legislation. Wear protective clothing and boots suitable for protection from alkaline products. Provide eye wash and safety shower stations.

9. **PHYSICAL AND CHEMICAL PROPERTIES**

**Information on basic physical and chemical properties**

<b>Appearance:</b>	liquid
<b>Color:</b>	Light-green
<b>Odor:</b>	slight sulfur
<b>Odor Threshold (ppm):</b>	Not available
<b>pH Value:</b>	10.8 ó 12.8
<b>Melting point/ Freezing point °C:</b>	ca. 0(°C) (32°F)
<b>Boiling Point/range °C:</b>	ca. 100 (200°F)
<b>Flash point (°C):</b>	Non-combustible/Non- flammable
<b>Evaporation Rate:</b>	Similar to water
<b>Flammability Rate:</b>	Not applicable
<b>Flammability (solid, gas):</b>	Not applicable
<b>Vapor Pressure (Pascal):</b>	13 mmHg (68°F)
<b>Vapor Density (Air=1):</b>	1,170 kg/m <sup>3</sup>
<b>Density (g/ml):</b>	1.14 ó 1.22
<b>Solubility in Water:</b>	Miscible
<b>Solubility (other):</b>	Not available
<b>Partition Coefficient (n-Octanol/water):</b>	Not available
<b>Auto Ignition Point (°C):</b>	Non-combustible/Non-flammable
<b>Decomposition Temperature (°C):</b>	Not available
<b>Kinematic Viscosity:</b>	Similar to water
<b>Explosive properties:</b>	Not explosive
<b>Oxidizing properties:</b>	Not oxidizing
<b>Other information:</b>	Not available

10. **STABILITY AND REACTIVITY DATA**

**Reactivity:** stable under normal conditions

**Stability:** Stable

**Possibility of hazardous reactions:** Stable under recommended storage conditions.

**Conditions to avoid:** Protect from frost. Heat, flames, and sparks.

**Incompatibility (Materials to Avoid):** Oxidizing agents, strong acids and strong bases

**Hazardous Decomposition Products:** Carbon dioxide, carbon monoxide, oxides of nitrogen, dense black smoke.

11. **TOXICOLOGICAL INFORMATION**

**Exposure routes:** skin contact, eye contact

**Acute toxicity:** LD50 oral-not determined

LD50 dermal-not determined

LD50 inhalation-not determined

**Irritation/Corrosively:** Irritating to skin and eyes.

**Sensitization:** No information available

**Repeated dose toxicity:** No information available

**Carcinogenicity:** No data. It is unlikely to present a carcinogenic hazard to man.

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	No.	No.	No.

**Mutagenicity:** No information available

**Toxicity for reproduction:** No information available

12. **ECOLOGICAL INFORMATION**

**Toxicity**

**Short term:** water flea; (*Ceriodaphnia dubia*)-No data available

water flea; (*Daphnia mangna*)-No data available

fathead minnow; (*Pimephales promelas*)-No data available

**Long term:** Not available

**Persistence and degradability:** Not available

**Bioaccumulative potential:** The product has low potential for bioaccumulation.

**Mobility in soil:** Not available

**Results of PBT and vPvB assessment:** Not classified as PBT or vPvB

**Other adverse effects:** None known

13. **DISPOSAL CONSIDERATIONS**

**Waste treatment methods:**

**Dispose of in accordance with federal, state, international and local environmental laws and legislation. Consult an accredited waste disposal contractor or the local authority for advice. Clean container with water.**

14. **TRANSPORTATION INFORMATION**

	Land transport (U.S. DOT)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
<b>UN NUMBER</b>	UN3082	UN3082	UN3082
<b>Proper Shipping name</b>	Environmentally hazardous substance, liquid, n.o.s. (Sodium Dimethyldithiocarbamate)		
<b>Transport Hazard Class</b>	9	9	9
<b>Packing Group</b>	III	III	III
<b>Hazard label(s)</b>	Miscellaneous	Miscellaneous	Miscellaneous
<b>Environmental hazards</b>	yes	yes	yes
<b>Special Precautions for user</b>	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not established.

15. **REGULATORY INFORMATION**

**Safety, health and environmental regulations/legislation specific for the substances or mixture:**  
**Toxic Substances Control Act (TSCA):** Inventory status: All components listed or polymer exempt.  
**Designated hazardous substances and reportable quantities (40 CFR 302.4):**

Chemical Name	CAS No.	Typical %wt.	RQ (pounds)
None	-	-	-

Sec. 311-312: Inventory Reporting-Hazard category:

Fire	Sudden Release	Reactivity	Immediate (acute)	Chronic (delayed)
		x	x	

Sec 313 Toxic chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
Sodium Dimethyldithiocarbamate	128-04-1	40

Sec. 302 Extremely hazardous Substances (40 CFR 355):

Chemical Name	CAS No.	Typical %wt.	TPQ (pounds)
None	-	-	-

California Proposition 65 List:

Chemical Name	CAS No.	Type of toxicity
None	-	-

**OTHER INFORMATION**

**NFPA RATING (for fire conditions):** Health=2, Flammability=1, Reactivity=0, Protective Equipment=D

**HAZARD RATING:** 4=extreme 3=high 2- moderate 1= slight 0=insignificant

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

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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

SDS: Safety Data Sheet

STEL: Short-term exposure limit

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