



Solve 7607

Safety Data Sheet

Date Issued: 08/19/15

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1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SOLVE 7607
CHEMICAL TYPE: Mixture
IDENTIFIED USE: Precipitant
COMPANY: WaterSolve, LLC, 5031 68th Street Caledonia, MI 49316, USA
For Product information call 616-575-8693 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 Corr. 1A; Eye Damage 1

Label elements



Hazard Symbol

SIGNAL WORD(S)

DANGER

Hazard Statement(s): Causes severe skin burns and eye damage.

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. Rinse skin with water/shower. Wash with plenty of soap and 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. Seek medical treatment.

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%.

3. **COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredients	% wt.	CAS No.
sodium dimethyldithiocarbamate	Trade Secret	128-04-1
Hydrosulfide	Trade Secret	16721-80-5
Water	Trade Secret	7732-18-5

Additional information: Warning-this preparation contains a substance not yet tested completely. (>10%)

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 plenty of water while removing contaminated clothing and shoes and flush affected skin with water for at least 15 minutes. If symptoms persist, call a physician. 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, while holding eyelids open. Continue rinsing. Seek medical advice.

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

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 or water courses.

Advice for fire-fighters: A self contained 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 to other sections: None

Additional Information: None

7. **HANDLING AND STORAGE**

Precautions for safe handling: Wear protective gloves/protection 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, drink and 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.

Engineering measures: Handle only in a place equipped with local exhaust (or other appropriate exhaust). Maintain air concentrations below occupational exposure standards. Ensure that the eye flushing systems and safety showers are located close to the working place.

Hazardous components without workplace control parameters

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

Personal Protection equipment:

Eye Protection: The following to be used as necessary: Goggles giving complete protection to eyes. Full 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 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

Appearance:	liquid
Color:	Yellow-green to amber
Odor:	sulfur-like
Odor Threshold (ppm):	Not available
pH Value:	12.5-13.0
Melting point/ Freezing point °C:	ca. 0(°C) (32°F)
Boiling Point/range °C:	ca. 100 (212°F)
Flash point (°C):	Non-combustible/Non-flammable
Evaporation Rate:	Similar to water
Flammability Rate:	Not applicable
Flammability (solid, gas):	Not applicable
Vapor Pressure (Pascal):	N/A
Vapor Density (Air=1):	N/A
Density (g/ml):	1.130 ó 1.145

14. **TRANSPORTATION INFORMATION**

	Land transport (U.S. DOT)	Sea Transport (IMDG)	Air Transport (ICAO/IATA)
UN NUMBER	UN3267	UN3267	UN3267
Proper Shipping name	Corrosive liquid, basic inorganic, n.o.s. (Sodium hydrosulfide solution)		
Transport Hazard Class	8	8	8
Packing Group	III	III	III
Hazard label(s)	Corrosive	Corrosive	Corrosive
Environmental hazards	Yes	Yes	Yes
Special Precautions for user	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): Toxicity=3, Fire=1, Reactivity=2,

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

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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_{xx}: Lethal Concentration, for xx percent of test population

LD_{xx}: Lethal Dose, for xx percent of test population

IC_{xx}: Inhibitory Concentration for xx of a substance

EC_{xx}: 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