

**SAFETY DATA SHEET**

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION**Product identifier**

Chemical Name	Mixture
CAS No.	Mixture
Trade Name	SOLVIT SPRAY DEGREASER
Product code	40-3510

Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Degreaser
Uses Advised Against	None
Company Identification	UTILITY 700 Main Street Westbury, NY 11590 Tel: Fax:
Telephone	1-516-997-6300
Fax	1-516-997-6345
E-Mail	info@UtilityChemical.com

Emergency telephone number

Emergency Phone No.	INFOTRAC: (800) 535-5053
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SECTION 2: HAZARDS IDENTIFICATION**Classification of the substance or mixture**

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Compressed dissolved gas; Carc. 1B; Skin Sens. 1B; Eye Irrit. 2; Skin Irrit. 2; STOT SE 3

Label elements

Hazard Symbol

**DANGER**

Signal Word(s)

Hazard Statement(s)

Contains gas under pressure; may explode if heated.

May cause cancer.

May cause an allergic skin reaction.

Causes serious eye irritation.

Causes skin irritation.

May cause drowsiness or dizziness.

Precautionary Statement(s)

Obtain special instructions before use.

Do not handle until all safety precautions have been read and understood.

Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.

Wear protective gloves/protective clothing/eye protection/face protection.

Contaminated work clothing should not be allowed out of the workplace.

Avoid breathing dust/fume/gas/mist/vapours/spray.

Do not eat, drink or smoke when using this product.

Wash hands and exposed skin after use.

Other hazards

Harmful to aquatic life. Harmful to aquatic life with long lasting effects.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
1,1,2-Trichloroethylene	> 90	79-01-6	Eye Irrit. 2; H319 Skin Irrit. 2; H315 Skin Sens. 1B; H317 Carc. 1B; H350 STOT SE 3; H336 Aquatic Acute 3; H402 Aquatic Chronic 3; H412
Carbon dioxide	1 - 5	124-38-9	Press. Gas (*)
1,2-Butylene oxide	< 0.5	106-88-7	Flam. Liq. 2; H225 Acute Tox. 4; H302, H312, H332 Eye Irrit. 2A; H319 STOT SE 3; H335

Additional Information - None

* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

SECTION 4: FIRST AID MEASURES**Description of first aid measures**

Inhalation

Move person to fresh air. If breathing is labored, administer oxygen. If symptoms develop, obtain medical attention.

Skin Contact

Wash affected skin with soap and water. If symptoms develop, obtain medical attention.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical advice/attention.

Ingestion

Do not give anything by mouth to an unconscious person. Seek medical treatment. Do NOT induce vomiting.

Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

SECTION 5: FIRE-FIGHTING MEASURES**Extinguishing media**

-Suitable Extinguishing Media

Combustible but not readily ignited. Keep containers cool by spraying with water if exposed to fire. Extinguish with carbon dioxide, dry chemical, foam or waterspray.

-Unsuitable extinguishing Media

Do not use water jet.

Special hazards arising from the substance or mixture

None

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.

**SECTION 6: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures	Avoid contact with skin and eyes. Avoid breathing gas/spray.
Environmental precautions	Prevent liquid entering sewers, basements and workpits.
Methods and material for containment and cleaning up	Cover spills with inert absorbent material. Transfer to a container for disposal or recovery.
Reference to other sections	None
Additional Information	None



SECTION 7: HANDLING AND STORAGE

Precautions for safe handling	Avoid contact with skin and eyes. Avoid breathing spray. Use product in a well-ventilated area only.
Conditions for safe storage, including any incompatibilities	
-Storage temperature	Keep in a cool, well ventilated place. Protect from sunlight. Store at temperatures not exceeding 50 °C / 122 °F.
-Incompatible materials	This product should be stored away from sources of strong heat or oxidising chemicals.
Specific end use(s)	Degreaser

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**Occupational Exposure Limits**

SUBSTANCE.	CAS No.	(8hr TWA)		STEL		Note
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
1,1,2 Trichloroethylene	79-01-6	100 ppm	10 ppm	200 ppm*	25 ppm	*Ceiling
Carbon Dioxide	124-38-9	5,000 ppm	5,000 ppm	-----	30,000 ppm	#

*300 ppm: Acceptable maximum peak above the acceptable ceiling concentration for an 8-hour shift. 5 min in any 3 hours; #Assure minimum oxygen content of work atmosphere.

Recommended monitoring method	NIOSH 1003 (Hydrocarbons, halogenated)
Exposure controls	
Appropriate engineering controls	Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.
Personal protection equipment	
Eye/face protection	Wear protective eyewear (goggles, face shield, or safety glasses).
	
Skin protection (Hand protection/ Other)	Wear suitable gloves if prolonged skin contact is likely. Check with protective equipment manufacturer's data.
	



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Respiratory protection



Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. Check with protective equipment manufacturer's data.

Thermal hazards

Not normally required. Use gloves with insulation for thermal protection, when needed.

Environmental Exposure Controls

None known

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance	Aerosol spray
Color	Colorless
Odor	Ether-like
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	- 84.7 (- 120.5 °F)
Boiling point/boiling range (°C):	87.2 (189 °F)
Flash Point (°C)	> 93 (> 199 °F)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	8 - 45 %
Vapor pressure (Pascal)	9900 (74.25 mmHg)
Vapor Density (Air=1)	4.5
Density (g/ml)	1.46
Solubility (Water)	0.1% @ 25°C
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	420 (788 °F)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not explosive
Oxidizing properties	Not oxidising
Other information	Not available

SECTION 10: STABILITY AND REACTIVITY

Reactivity	Stable under normal conditions.
Chemical stability	Stable.
Possibility of hazardous reactions	None anticipated.
Conditions to avoid	Avoid contact with heat and ignition sources.
Incompatible materials	Strong oxidising agents
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Information on toxicological effects

1,1,2-Trichloroethylene (CAS No 79-01-6):

Acute toxicity	Oral: LD50 >5000 mg/kg-bw Dermal: LD50 >2000 mg/kg-bw Inhalation: LC0 ≥12500 ppm (Vapor), 4-hr. rat - May cause drowsiness or dizziness.
Irritation/Corrosivity	Causes skin irritation. Causes serious eye irritation.
Sensitization	May cause an allergic skin reaction.



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Repeated dose toxicity

Oral: NOEL = 750 mg/kg
Dermal: NOEL = 0.5 ml/kg bw
Inhalation: NOEL ≥1000 mg/m3

Carcinogenicity

May cause cancer.

NTP	IARC	ACGIH	OSHA	NIOSH
Reasonably anticipated	2A	A2	No.	Yes

Mutagenicity

Not to be expected

Reproductive toxicity

Not to be expected

1,2-Butylene oxide (CAS No. 106-88-7):

Carcinogenicity

IARC Classification: Group 2B. - Possibly carcinogenic to humans.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

1,1,2-Trichloroethylene (CAS No 79-01-6):

Short term

LC50 (96 hour): 28.3 mg/L (*Jordanella floridae*)
IC50 (48 hour): 20.8 mg/L (*Daphnia magna*, mobility)
EC50 (72 hour): 36.5 mg/L (*Chlamydomonas reinhardtii*)

Long Term

MATC (28 days): 20.9 mg/L (*Jordanella floridae*)

Persistence and degradability

The product is likely to persist in the environment.

Bioaccumulative potential

The product has no potential for bioaccumulation.

Results of PBT and vPvB assessment

The product has high mobility in soil.

Other adverse effects

Not classified as PBT or vPvB.

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods

Disposal should be in accordance with local, state or national legislation. Consult an accredited waste disposal contractor or the local authority for advice.

SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	1950	1950	1950
Proper Shipping Name	Aerosols	Aerosols	Aerosols
Transport hazard class(es)	2.2	2.2	2.2
Packing group	Not applicable	Not applicable	Not applicable
Environmental hazards	None assigned	None assigned	None assigned
Special precautions for user	None assigned	None assigned	None assigned

Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

SECTION 15: REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture:

TSCA (Toxic Substance Control Act) - 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)
1,1,2-Trichloroethylene	79-01-6	> 90	100
1,2-Butylene oxide	106-88-7	<0.5	100



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**SARA 311/312 - Hazard Categories:**

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

SARA 313 - Toxic Chemicals (40 CFR 372):

Chemical Name	CAS No.	Typical %wt.
1,1,2-Trichloroethylene	79-01-6	> 90
1,2-Butylene oxide	106-88-7	<0.5

SARA 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
1,1,2-Trichloroethylene	79-01-6	Cancer

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: March 12, 2015

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2: / SECTION 3:

Hazard Statement(s)

- H225: Highly flammable liquid and vapour.
- H302: Harmful if swallowed.
- H312: Harmful in contact with skin.
- H315: Causes skin irritation.
- H317: May cause an allergic skin reaction.
- H319: Causes serious eye irritation.
- H332: Harmful if inhaled.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.
- H350: May cause cancer.
- H402: Harmful to aquatic life.
- H412: Harmful to aquatic life with long lasting effects.

Training advice: None.

Disclaimer

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