



Sid Harvey item # 40-0510

SDS # Z0499

SOLVIT GREEN – 40-0510 SDS **UTILITY**

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 GREEN
Product Code	40-0510

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

Telephone	(516) 997-6300
Fax	(516) 997-6345
E-Mail	info@utilitychemicals.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

OSHA HCS (29 CFR 1910.1200)

Flam. Aerosol 1; Compressed dissolved gas; Eye Dam. 1; STOT SE 3; Skin Irrit. 2; Asp. Tox. 1

Label elements

Hazard Symbol



DANGER

Signal word(s)

Hazard Statement(s)

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye damage.
May cause drowsiness or dizziness.
Causes skin irritation.
Repeated exposure may cause skin dryness or cracking.
May be fatal if swallowed and enters airways.
Keep away from heat/sparks/open flames/hot surfaces. – No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
Use only outdoors or in a well-ventilated area.
Do not breathe mist/vapours/spray.
Wear protective gloves/eye protection.
Wash hands and exposed skin after use.
Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F.
None

Precautionary Statement(s)

Other hazards:



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Additional Information: Contains 1 -5% Tetrahydrofuran (CAS# 109-99-9) that has a positive carcinogenicity study. High life-time exposures of tetrahydrofuran induced liver tumors in female mice by a non-genotoxic mode of action. At exposures that do not produce sustained liver injury, tumor development is of low concern. Increased kidney tumors in male rats occurred by a mode of action not relevant for human health.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt. *	CAS No.	Hazard classification
Acetone	40 - 50	67-64-1	Flam. Liq. 2; H225 Eye Irrit. 2; H319 STOT SE 3; H336
Heptane, branched, cyclic and linear	40 - 50	426260-76-6	Flam. Liq. 2; H225 Asp. Tox. 1; H304 Skin Irrit. 2; H315 STOT SE 3; H336 Aquatic Acute 2; H402 Aquatic Chronic 3; H412
Carbon dioxide	~ 5	124-38-9	Compressed dissolved gas
Tetrahydrofuran	1 - 5	109-99-9	Flam. Liq. 2; H225 Eye Dam. 1; H318 STOT SE 3; H335, H336 Acute Tox. 4; H302

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. Take off contaminated clothing and wash it before reuse. Get medical advice/attention if you feel unwell.

Eye Contact

Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain immediate medical 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 be harmful if swallowed and enters airways.

Indication of any immediate medical attention and special treatment needed

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Do NOT induce vomiting.

SECTION 5: FIRE-FIGHTING MEASURES

Extinguishing Media

-Suitable Extinguishing Media

Extinguish with carbon dioxide, dry chemical, foam or water spray.



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-Unsuitable Extinguishing Media

Do not use water jet.

Special hazards arising from the substance or mixture

Highly flammable vapor (flash point below 23°C).

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

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid contact with skin and eyes. Avoid breathing vapors.

Environmental precautions

Prevent liquid entering sewers, basements and work pits.

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

Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Use only outdoors or in a well-ventilated area. Avoid contact with skin and eyes. Avoid breathing vapors.

Conditions for safe storage, including any incompatibilities

-Storage temperature

Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing 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)	
Acetone	67-64-1	1000	500	-----	750	^NIC
Heptane, branched, cyclic and linear	426260-76-6	500 ppm*	1500 mg/m ³	-----	-----	*n-heptane
Carbon dioxide	124-38-9	-----	5000 ppm	-----	30,000 ppm	-----
Tetrahydrofuran	109-99-9	200 ppm	50 ppm	-----	100 ppm	A3

^NIC = Notice of Intended Changes (ACGIH®); A3 - Confirmed Animal Carcinogen with Unknown Relevance to Humans; # Assure minimum oxygen content of work atmosphere.

Recommended monitoring method

NIOSH 1300 (Ketones I); NIOSH 1500 (hydrocarbons, B.P. 36 - 126 °C); NIOSH 1609 (Tetrahydrofuran)

Exposure controls

Appropriate engineering controls

Provide adequate ventilation to ensure that the occupational exposure limit is not exceeded.

Personal protection equipment



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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.

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	Liquid
Color.	Colorless
Odor	Acetone-like
Odor Threshold (ppm)	Not available
pH (Value)	Not available
Melting Point (°C) / Freezing Point (°C)	Not available
Boiling point/boiling range (°C):	56 (Acetone)
Flash Point (°C)	-17 (Acetone)
Evaporation Rate	Not available
Flammability (solid, gas)	Not applicable
Explosive Limit Ranges	2.5% - 12.8% v/v (Acetone)
Vapor pressure (Pascal)	2.4×10^4 (Acetone)
Vapor Density (Air=1)	Not available
Density (g/ml)	Not available
Solubility (Water)	Not available
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	465 (Acetone)
Decomposition Temperature (°C)	Not available
Kinematic Viscosity	<20
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
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 oxidizing agents
Hazardous decomposition product(s)	Carbon monoxide, Carbon dioxide, Acrid smoke

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact



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Information on toxicological effects

Acetone (CAS No. 67-64-1)

Acute toxicity

Oral LD50 = 5800 mg/kg (rat)
Dermal LD50 >15800 mg/kg (rabbit)
Inhalation LC50 76 mg/L (4 hour(s)) (rat) - Vapours may cause drowsiness and dizziness.

Irritation / Corrosivity

Causes serious eye irritation. Repeated exposure may cause skin dryness or cracking.

Sensitization

It is not a skin sensitiser.

Repeated dose toxicity

Oral NOAEL = 900 mg/kg/day (rat) (90-days)
Inhalation NOAEL \geq 19,000 ppm (rat)

Carcinogenicity

It is unlikely to present a carcinogenic hazard to man.

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

Mutagenicity

Negative

Toxicity for reproduction

Negative

Other information

None known.

Tetrahydrofuran (CAS No.109-99-9)

Acute toxicity

Oral LD50 = 1650 mg/kg (rat)
Dermal LD50 >2000 mg/kg (rat)
Inhalation LC50 > 14.7 mg/l (6hour(s)) (rat) - Vapours may cause drowsiness and dizziness.

Irritation / Corrosivity

Causes serious eye irritation.

Sensitization

It is not a skin sensitiser.

Repeated dose toxicity

Oral NOAEL = 1000 mg/l/day (rat) (28-days)
Inhalation NOEC = 1800 ppm (rat)

Carcinogenicity

It is unlikely to present a carcinogenic hazard to man.*

NTP	IARC	ACGIH	OSHA	NIOSH
No.	No.	A3: Confirmed Animal Carcinogen with Unknown Relevance to Humans.	No.	No.

Mutagenicity

Negative

Toxicity for reproduction

Negative

Other information: *Tetrahydrofuran (CAS# 109-99-9) has a positive carcinogenicity study. High life-time exposures of tetrahydrofuran induced liver tumors in female mice by a non-genotoxic mode of action. At exposures that do not produce sustained liver injury, tumor development is of low concern. Increased kidney tumors in male rats occurred by a mode of action not relevant for human health.

Heptane, branched, cyclic and linear (CAS# 426260-76-6) - By analogy with similar materials:

Acute toxicity

Oral: LD50 >5 g/kg-bw
Dermal: LD50 >2 g/kg-bw
Inhalation: LC50 = 65 - 103 mg/L (Vapor), 4-hr. rat
May cause drowsiness or dizziness.
May be fatal if swallowed and enters airways.

Irritation/Corrosivity

Causes skin irritation. Repeated exposure may cause skin dryness or cracking. May cause eye irritation.

Sensitization

It is not a skin sensitizer.

Repeated dose toxicity

NOAEC: 12350 mg/m3 (2 yr, inhal., rat, Systemic effects)
LOAEC: 1650 mg/m3 (2 hr, inhal., rat, CNS effects)
May cause drowsiness or dizziness.

Carcinogenicity

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



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

Mutagenicity
Reproductive toxicity

There is no evidence of mutagenic potential.
Not available

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity

Short term (estimated / calculated)

LC50 (96 hour): >100 mg/L (fish)
LC50 (48 hour): >100 mg/L (crustacea)
LC50 (72 hour): >100 mg/L (algae)

Long Term

No data

Persistence and degradability

Readily biodegradable.

Bioaccumulative potential

The product has no 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.

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, flammable	Aerosols, flammable	Aerosols, flammable
Transport hazard class(es)	2.1	2.1	2.1
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)
Acetone	67-64-1	45	5000
Tetrahydrofuran	109-99-9	5	1000

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.
Tetrahydrofuran	109-99-9	5



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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
Benzene (Trace)	71-43-2	Cancer/Reproductive
Toluene (Trace)	67-56-1	Reproductive

SECTION 16: OTHER INFORMATION

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

Date of preparation: March 31, 2015

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

Hazard Statement(s)

- H225: Highly flammable liquid and vapor.
- H302: Harmful if swallowed.
- H304: May be fatal if swallowed and enters airways.
- H315: Causes skin irritation.
- H318: Causes serious eye damage.
- H319: Causes serious eye irritation.
- H335: May cause respiratory irritation.
- H336: May cause drowsiness or dizziness.

Training advice: None.

Disclaimer

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UTILITY MANUFACTURING CO., INC.
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MATERIAL SAFETY DATA SHEET

SOLVIT GREEN DEGREASER

FOR CHEMICAL EMERGENCY: Spill, Leak, Fire, Exposure, or Accident - Call **INFOTRAC**- Day or Night: **1-800-535-5053**
THIS MSDS COMPLIES WITH 29 CFR 1910.1200 (HAZARD COMMUNICATION STANDARD) **IMPORTANT** Read this MSDS before handling & disposing of this product. Pass this information on to employees, customers and users of this product.

PRODUCT IDENTIFICATION

DOT Shipping name: CONSUMER COMMODITY, ORM-D **CAS NO.:** MIXTURE
Chemical Family: ALIPHATIC HYDROCARBON **UN/NA #:** N/A
DOT Hazard Class: ORM-D **DATE OF ISSUE:** 5/08

SECTION I - HAZARDOUS INGREDIENTS/EXPOSURE LIMITS

Hazardous Ingredients:	CAS #	TLV/PEL	AGENCY	TYPE	SARA-313
2-PROPANONE	67-64-1	750	ACGIH	TWA	NO
LIGHT ALIPHATIC NAPHTHA SOLVENT	64742-89-8	400	ACGIH	TWA	YES
TETRAMETHYLENE OXIDE	109-99-9	200	ACGIH	TWA	NO

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

WARNING: CONTENTS UNDER PRESSURE

EYES: Immediately flush eyes with clean water for at least 15 minutes. **Get prompt medical attention.**

SKIN CONTACT: Remove contaminated shoes and clothing and cleanse affected areas thoroughly by washing with mild soap and water.
If irritation persists **seek medical attention.**

INHALATION: (breathing) Move person away from exposure to fresh air. Give artificial respiration if not breathing. Give oxygen if breathing is difficult. **Seek medical attention.**

INGESTION: (swallowing) If swallowed, do not induce vomiting. Do **not** give anything by mouth to an unconscious person. **Seek prompt emergency medical attention.**

SECTION III - HEALTH HAZARDS / ROUTES OF ENTRY

EYE CONTACT: Spray will cause irritation with redness and pain. May cause eye damage.

SKIN CONTACT: Continuous contact with this material may cause drying of skin. Chemical itself is an irritant or sensitizer.

SKIN ABSORPTION: Prolonged or repeated exposure will cause symptoms of toxicity.

INHALATION: (breathing) Vapors can cause irritation to the respiratory tract. Inhalation of high concentrations may cause headache, nausea, confusion, drowsiness, convulsions and coma.

INGESTION: (swallowing) Ingestion may cause the following: Gastroenteric irritation, narcosis, and injury to the kidneys and liver.

SECTION IV - SPECIAL PROTECTION INFORMATION

VENTILATION: Good ventilation is essential in areas where this product is used to prevent the accumulation of flammable mixtures.

Under normal conditions, the atmospheric concentration of the product vapor must be kept low enough to prevent irritation of the mucus membranes and discomfort of the workers.

RESPIRATORY PROTECTION: The use of respiratory protection is advised when concentrates exceed the established exposure limits (see Section I). Depending on the airborne concentration use a respirator or gas mask with appropriate cartridges or canisters (NIOSH approved) or supplied air.

PROTECTIVE GLOVES: The use of gloves impermeable to the specific material handled is advised to prevent possible irritation.

EYE PROTECTION: Approved eye protection to safeguard against potential eye contact, irritation or injury is required.

SECTION V - REACTIVITY DATA

STABILITY: Normally stable. Keep away from heat, sparks and flame.

INCOMPATIBILITY: (materials to avoid) This product is incompatible with: *Oxidizing agents.*

HAZARDOUS DECOMPOSITION PRODUCTS: Thermal decomposition in the presence of air may yield carbon monoxide and carbon dioxide

HAZARDOUS POLYMERIZATION: Will not occur

SECTION VI - SPILL OR LEAK PROCEDURES

PRECAUTIONS IN CASE OF LEAK OR SPILL: Keep all sources of ignition and hot metal surfaces away from spill/release. Ventilate area. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section IV). Apply absorbent material to spill area.

WASTE DISPOSAL METHOD: Dispose of product in accordance with local, county, state, and federal regulations.



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MATERIAL SAFETY DATA SHEET

SOLVIT GREEN DEGREASER

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS - Extremely flammable. Use and store this product away from sources of heat and ignition. Store with adequate ventilation. Avoid inhalation of vapors and personal contact with the product. "Empty" containers contain residue (liquid and/or vapor) and can be dangerous. Do not puncture, cut, weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, or other sources of ignition. Contents under pressure. Do not puncture or incinerate container. All other containers should be disposed of in an environmentally safe manner and in accordance with governmental regulations. Hazardous waste number D001.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

EXTINGUISHING MEDIA: Extinguish with dry chemical, CO₂, or a universal type foam.

FIRE AND EXPLOSION HAZARD: May decompose during contact with flames, heating elements, or in combustion engines releasing irritating gases. Contents under pressure, container may explode if heated.

FIRE FIGHTING PROCEDURES: Handle as extremely flammable liquid. Wear appropriate protective equipment including respiratory protection as conditions warrant (see Section IV). Water spray may be useful in minimizing or dispersing vapors and cooling equipment exposed to heat and flame.

SECTION IX - PHYSICAL DATA

APPROXIMATE BOILING POINT/RANGE (DEG F):	133-215	PER CENT VOLATILE:	100
SPECIFIC GRAVITY (68 F):	.786	FLASH POINT (TCC, DEG F):	1
EVAPORATION RATE (Butyl Acetate = 1)	<1	PER CENT SOLUBILITY IN WATER:	Approx. .55
VAPOR PRESSURE @20C mmHg (CALCULATED):	154 PSI		

SECTION X - OTHER REGULATORY DATA

SARA

SECTION 302: NOT LISTED
SECTION 311 & 312: NOT LISTED
SECTION 313: See Section I.I

HMIS

Health: 2
Flammability: 4
Reactivity: 0

TSCA

All components are in full compliance with the TSCA inventory.

CALIFORNIA PROPOSITION 65

NOT LISTED

RCRA

Waste material would be a U070

CERCLA

NOT LISTED

CARCINOGENICITY:

NOT LISTED with NTP or IARC.

NOTICE

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