



SID HARVEY SPRUCE UP SPRAY DEGREASER – 40-3510A SDS

Sid Harvey item # F1-55A SDS # Z0492



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	SID HARVEY SPRUCE UP SPRAY DEGREASER
Product code	40-3510A

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

OSHA HCS (29 CFR 1910.1200)	Compressed dissolved gas; Carc. 1B; Skin Sens. 1B; Eye Irrit. 2; Skin Irrit. 2; STOT SE 3
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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: 2015-12-04

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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UTILITY ENTERPRISES, INC.
700 MAIN STREET, WESTBURY, NY 11590
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MATERIAL SAFETY DATA SHEET

SPRUCE-UP VERY FAST DRYING SPRAY DEGREASER-F1-55A

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: CHLORINATED SOLVENTS **UN/NA #:** N/A
DOT Hazard Class: PRESSURIZED CONTAINER, ORM-D **DATE OF ISSUE:** 02/12

SECTION I - HAZARDOUS INGREDIENTS/EXPOSURE LIMITS

Hazardous Ingredients:	CAS #	TLV/PE L	AGENCY	TYPE	SARA-313 (% Range)
TRICHLOROETHYLENE *	79-01-6	50 PPM	OSHA/ACGIH	TWA	90-100
CARBON DIOXIDE	124-38-9	5000 PPM	OSHA	TWA	1-5

* This chemical is subject to the reporting requirements to Section 313 of SARATitle III. **WARNING:** This product contains Trichloroethylene, which is known to the State of California to cause cancer, birth defects or reproductive harm.

SECTION II - EMERGENCY AND FIRST AID PROCEDURES

WARNING: CONTENTS UNDER PRESSURE

INHALATION: Remove to fresh air. If not breathing, give mouth-to-mouth. If breathing is difficult, give oxygen. Do not give epinephrine or similar drugs. Call a physician

EYES: Flush with water for at least 15 minutes. Get medical assistance if irritation persists.

SKIN: Wash off in flowing water or shower. Remove contaminated clothing and wash before reuse.

INGESTION: Do not induce vomiting. Call a physician immediately. Do not administer sympathomimetic drugs unless absolutely necessary. No specific antidote.

NOTE TO PHYSICIANS: BECAUSE OF POSSIBLE DISTURBANCES OF CARDIAC RHYTHM, CATECHOLAMINE DRUGS, SUCH AS EPINEPHRINE, SHOULD ONLY BE USED WITH SPECIAL CAUTION IN SITUATIONS OF EMERGENCY LIFE SUPPORT.

NOTE TO PHYSICIAN: BECAUSE RAPID ABSORPTION MAY OCCUR THROUGH LUNGS IF ASPIRATED AND CAUSE SYSTEMIC EFFECTS, THE DECISION OF WHETHER TO INDUCE VOMITING OR NOT SHOULD BE MADE BY AN ATTENDING PHYSICIAN. IF LAVAGE IS PERFORMED, SUGGEST ENDOTRACHEAL AND/OR ESOPHAGEAL CONTROL. DANGER FROM LUNG ASPIRATION MUST BE WEIGHED AGAINST TOXICITY WHEN CONSIDERING EMPTYING THE STOMACH. EXPOSURE MAY INCREASE "MYOCARDIAL IRRITABILITY". DO NOT ADMINISTER SYMPATHOMIMETIC DRUGS UNLESS ABSOLUTELY NECESSARY. NO SPECIFIC ANTIDOTE. SUPPORTIVE CARE. TREATMENT BASED ON JUDGMENT OF THE PHYSICIAN IN RESPONSE TO REACTIONS OF THE PATIENT.

SECTION III - HEALTH HAZARDS / ROUTES OF ENTRY

EYE CONTACT: Contact with liquid or mist may cause irritation. Vapors may irritate eyes.

SKIN CONTACT: Prolonged contact may cause irritation, defatting of skin.

INHALATION: Overexposure to vapor may cause dizziness, loss of concentration and irritation. With high exposure levels, effects can include central nervous system (CNS), depression (intoxication), cardiac arrhythmia, and death. Product vapors displace air and can cause suffocation especially in confined space. **INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS OF THE CAN MAY BE HARMFUL OR FATAL;**

INGESTION: Aspiration may cause rapid absorption through the lungs, which may result in systemic effects.

IMPORTANT NOTICE: REPEATED AND PROLONGED OVEREXPOSURE TO SOLVENTS MAY LEAD TO PERMANENT BRAIN AND NERVOUS SYSTEM DAMAGE. EYE WATERING, HEADACHES, NAUSEA, DIZZINESS AND LOSS OF COORDINATION ARE SIGNS THAT SOLVENT LEVELS ARE TOO HIGH. **INTENTIONAL MISUSE BY DELIBERATELY CONCENTRATING AND INHALING THE CONTENTS MAY BE HARMFUL OR FATAL.**

SECTION IV - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: NIOSH or Bureau of Mines approved organic vapor-type respirator is required in absence of proper environmental control.

VENTILATION: LOCAL EXHAUST: To keep below TLV. MECHANICAL (General): To keep below TLV. SPECIAL: None
OTHER: None

PROTECTIVE GLOVES: Solvent resistant gloves - impervious gloves

EYE PROTECTION: Safety glasses or goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: None reasonably foreseeable.

SECTION V - REACTIVITY DATA

STABILITY: Stable



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CONDITIONS TO AVOID: Avoid any excessive heat, ignition sources, open flames, or other high temperatures which induce thermal decomposition. Gross contamination with water may cause hydrolysis which will produce small amounts of hydrochloric acid.

INCOMPATIBILITY: (materials to avoid) Chemically Active Metals. Oxidizing agents. Sodium, Potassium, Calcium, etc. Alkali or alkaline earth metals. Powdered Aluminum, Zinc, Magnesium, Beryllium, etc.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen chloride, small amounts of Phosgene and Chlorine.

HAZARDOUS POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: Not applicable.

SECTION VI - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

SMALL SPILLS: Remove ignition sources. Mop up, wipe up, or soak up immediately. Use proper protective equipment.

LARGE SPILLS: Evacuate area. Remove ignition sources. Contain liquid; transfer to closed containers; keep out of water supplies.

WASTE DISPOSAL METHODS: Dispose in accordance with Federal, State, and Local regulations. Do not incinerate closed or empty containers.

SECTION VII - STORAGE AND SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Do not store above 110 Deg. F. Do not use or store near any open flames or ignition sources. Avoid repeated contact with skin.

OTHER PRECAUTIONS: Contents under pressure. Do not puncture or incinerate. Exposure to temperatures above 120 Deg. F may cause can to burst with violence and cause injury. Vapors are heavier than air and will collect in low areas.

SECTION VIII - FIRE AND EXPLOSION HAZARD DATA

FLASH POINT: None

FLAMMABLE LIMITS IN AIR - % BY VOLUME: Not applicable

EXTINGUISHER MEDIA: Water fog, dry chemical, carbon dioxide

AUTO-IGNITION TEMPERATURE: Unknown

SPECIAL FIRE FIGHTING PROCEDURES: Water may be used to cool closed containers to prevent pressure build-up and possible bursting when exposed to high temperatures. Firemen should wear self-contained, positive pressure, respiratory equipment.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contents under pressure. Self-pressurized aerosol containers. Keep temperature of containers below 120 deg. F. to prevent bursting. Hazardous decomposition products.

SECTION IX - PHYSICAL DATA

APPROXIMATE BOILING POINT (DEG F):	170 - 200	PER CENT VOLATILE:	100
SPECIFIC GRAVITY (68 F):	1.46	FLASH POINT (TCC, DEG F):	NONE
RELATIVE EVAPORATION RATE (ESTIMATED):	>1	APPEARANCE AND ODOR:	Clear liquid, irritating odor at high concentrations
VAPOR PRESSURE @20C mmHg (CALCULATED):	60	PER CENT SOLUBILITY IN WATER:	Negligible

SECTION X - OTHER REGULATORY DATA

SUBJECT TO SECTION 313 OF SARA TITLE III: Yes. Trichloroethylene = 95%

ALL CHEMICAL COMPONENTS ARE LISTED IN THE TSCA INVENTORY.

CHEMICAL LISTED AS CARCINOGEN OR POTENTIAL CARCINOGEN: NATIONAL TOXICOLOGY PROGRAM: No.

I.A.R.C. MONOGRAPHS: Yes - Trichloroethylene

OSHA: No.

CANCER INFORMATION: A positive carcinogenic response has occurred only in mice given large doses of trichloroethylene. Data suggest a non-mutagenic mechanism for tumor formation implying that nontoxic doses of trichloroethylene should pose little or no carcinogenic hazard for man. Trichloroethylene is listed as a potential carcinogen by IARC.

OSHA PERMISSIBLE EXPOSURE LIMIT: See Section I

AGCIH THRESHOLD LIMIT VALUE: See Section I

OTHER EXPOSURE LIMITED USED: None

NOTICE

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