

SAFETY DATA SHEET

1. Identification

Product identifier: C-60 SOLVENT DEGREASER

Other means of identification SDS number: RE100000599

Recommended restrictions

Product Use: Cleaner Restrictions on use: Not known.

Manufacturer/Importer/Distributor Information

Manufacturer

Company Name:	Sprayway, Inc.
Address:	1000 INTEGRAM DR.
	Pacific, MO 63069
Telephone:	1-630-628-3000
Fax:	

Emergency telephone number: 1-866-836-8855

2. Hazard(s) identification

Hazard Classification

Physical Hazards	
Gases under pressure	Compressed gas
Health Hazards	
Skin Corrosion/Irritation	Category 2
Serious Eye Damage/Eye Irritation	Category 2A
Germ Cell Mutagenicity	Category 2
Carcinogenicity	Category 1A
Specific Target Organ Toxicity - Single Exposure	Category 3 ^{1.}
Target Organs 1. Narcotic effect.	

Environmental Hazards

Acute hazards to the aquatic Category 3 environment

Label Elements

Hazard Symbol:





Signal Word:	Danger
Hazard Statement:	Contains gas under pressure; may explode if heated. Causes skin irritation. Causes serious eye irritation. Suspected of causing genetic defects. May cause cancer. May cause drowsiness or dizziness. Harmful to aquatic life.
Precautionary Statements	
Prevention:	Wash thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid breathing dust/fume/gas/mist/vapors/spray. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Keep container tightly closed.
Response:	IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF IN EYES: 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. IF ON SKIN: Wash with plenty of water/# If skin irritation occurs: Get medical advice/attention. Call a POISON CENTER/doctor if you feel unwell. Specific treatment (see on this label). Take off contaminated clothing.
Storage:	Protect from sunlight. Store in a well-ventilated place. Store locked up. Keep container tightly closed.
Disposal:	Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.
Hazard(s) not otherwise classified (HNOC):	None.

3. Composition/information on ingredients



Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Ethene, 1,1,2-trichloro-	79-01-6	50 - <100%
Carbon dioxide	124-38-9	1 - <5%
Oxirane, 2-(chloromethyl)-	106-89-8	0.1 - <1%

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

4. First-aid measures

Ingestion:	Call a physician or poison control center immediately. Never give liquid an unconscious person. Do not induce vomiting without advice from po control center. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Immediately flush with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash contaminated clothing before reuse. Get medical attention.	ng
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to remove contact lenses. Get medical attention.	o do,
Most important symptoms/effec	ts, acute and delayed	
Symptoms:	No data available.	
Hazards:	No data available.	
Indication of immediate medical	attention and special treatment needed	
Treatment:	No data available.	
5. Fire-fighting measures		
5. Fire-fighting measures General Fire Hazards:	No unusual fire or explosion hazards noted.	
General Fire Hazards:		
General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing	uishing media	
General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing	uishing media Use fire-extinguishing media appropriate for surrounding materials.	
General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media: Specific hazards arising from	uishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed.	
General Fire Hazards: Suitable (and unsuitable) exting Suitable extinguishing media: Unsuitable extinguishing media: Specific hazards arising from the chemical:	uishing media Use fire-extinguishing media appropriate for surrounding materials. Do not use water jet as an extinguisher, as this will spread the fire. During fire, gases hazardous to health may be formed.	



Special protective equipment
for fire-fighters:Self-contained breathing apparatus and full protective clothing must be
worn in case of fire.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures:	Ventilate closed spaces before entering them. See Section 8 of the SDS for Personal Protective Equipment. Keep unauthorized personnel away. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
Methods and material for containment and cleaning up:	Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Dike far ahead of larger spill for later recovery and disposal.
Notification Procedures:	Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.
Environmental Precautions:	Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Avoid release to the environment.
7. Handling and storage	
Precautions for safe handling:	Do not taste or swallow. Wash hands thoroughly after handling. Do not handle until all safety precautions have been read and understood. Obtain special instructions before use. Use personal protective equipment as required. Avoid contact with eyes. Avoid contact with skin.
Conditions for safe storage, including any incompatibilities:	Store locked up. Aerosol Level 1

8. Exposure controls/personal protection

Control Parameters

Occupational Exposure Limits

Chemical Identity	Туре	Exposure Lin	nit Values	Source
Ethene, 1,1,2-trichloro-	TWA	10 ppm		US. ACGIH Threshold Limit Values (2008)
	STEL	200 ppm	1,080 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	25 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA	100 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	MAX. CONC	300 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	50 ppm	270 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	Ceiling	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	REL	25 ppm		US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	Ceil_Time	2 ppm		US. NIOSH: Pocket Guide to Chemical Hazards (2016)
Carbon dioxide	TWA	5,000 ppm		US. ACGIH Threshold Limit Values (2008)
	STEL	30,000 ppm		US. ACGIH Threshold Limit Values (2008)



	STEL	30,000 ppm	54,000	US. NIOSH: Pocket Guide to Chemical
			mg/m3	Hazards (2005)
	REL	5,000 ppm	9,000 mg/m3	US. NIOSH: Pocket Guide to Chemical
				Hazards (2005)
	PEL	5,000 ppm	9,000 mg/m3	US. OSHA Table Z-1 Limits for Air
			-	Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	10,000 ppm	18,000	US. OSHA Table Z-1-A (29 CFR 1910.1000)
			mg/m3	(1989)
	STEL	30,000 ppm	54,000	US. OSHA Table Z-1-A (29 CFR 1910.1000)
			mg/m3	(1989)
Oxirane, 2-(chloromethyl)-	TWA	2 ppm	8 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000)
			-	(1989)
	PEL	5 ppm	19 mg/m3	US. OSHA Table Z-1 Limits for Air
			Ū.	Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	0.5 ppm		US. ACGIH Threshold Limit Values (2008)

Biological Limit Values

Chemical Identity	Exposure Limit Values	Source
Ethene, 1,1,2-trichloro-	15 mg/l (Urine)	ACGIH BEL (03 2013)
(Trichloroacetic acid:		
Sampling time: End of shift at		
end of work week.)		
Ethene, 1,1,2-trichloro-	0.5 mg/l (Blood)	ACGIH BEL (03 2013)
(Trichloroethanol, without		
hydrolysis: Sampling time:		
End of shift at end of work		
week.)		

Appropriate Engineering Controls

No data available.

Individual protection measures, such as personal protective equipment

General information:	Provide easy access to water supply and eye wash facilities. Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. If exposure limits have not been established, maintain airborne levels to an acceptable level.
Eye/face protection:	Wear safety glasses with side shields (or goggles).
Skin Protection Hand Protection:	No data available.
Other:	Wear suitable protective clothing. Wear chemical-resistant gloves, footwear, and protective clothing appropriate for the risk of exposure. Contact health and safety professional or manufacturer for specific information.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Do not eat, drink or smoke when using the product. Wash hands after handling. Wash hands before breaks and immediately after handling the product. Avoid contact with eyes. Wash contaminated clothing before reuse. Avoid contact with skin.

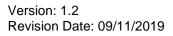


9. Physical and chemical properties

Appearance	
Physical state:	Gas
Form:	Compressed gas
Color:	No data available.
Odor:	No data available.
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	No data available.
Initial boiling point and boiling range:	No data available.
Flash Point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	No data available.
Upper/lower limit on flammability or explosive	e limits
Flammability limit - upper (%):	No data available.
Flammability limit - lower (%):	No data available.
Explosive limit - upper (%):	No data available.
Explosive limit - lower (%):	No data available.
Vapor pressure:	4,826.3301 - 6,205.2816 hPa (20 °C)
Vapor density:	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	No data available.
Auto-ignition temperature:	No data available.
Decomposition temperature:	No data available.
Viscosity:	No data available.

10. Stability and reactivity

Reactivity:	No data available.	
Chemical Stability:	Material is stable under normal conditions.	
Possibility of hazardous reactions:	No data available.	
Conditions to avoid:	Avoid heat or contamination.	
Incompatible Materials:	No data available.	
		~ / / /





Hazardous Decomposition Products:	No data available.
11. Toxicological information	
Information on likely routes of ex Inhalation:	xposure No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.
Symptoms related to the physica	al, chemical and toxicological characteristics
Inhalation:	No data available.
Skin Contact:	No data available.
Eye contact:	No data available.
Ingestion:	No data available.
Information on toxicological effe	cts
Acute toxicity (list all possible	e routes of exposure)
Oral Product:	
Dermal Product:	
Inhalation Product:	Not classified for acute toxicity based on available data.
Repeated dose toxicity Product:	No data available.
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritati Product:	on No data available.
Respiratory or Skin Sensitizatio Product:	n No data available.
Carcinogenicity Product:	No data available.



IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

Ethene, 1,1,2- trichloro-	Overall evaluation: 1. Carcinogenic to humans.
Oxirane, 2- (chloromethyl)-	Overall evaluation: 2A. Probably carcinogenic to humans.

US. National Toxicology Program (NTP) Report on Carcinogens:

Ethene,	1,1,2-	Known To Be Human Carcinogen.
trichloro-		
Oxirane,	2-	Reasonably Anticipated to be a Human Carcinogen.
(chloromethyl))-	

effect.

US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050): No carcinogenic components identified

Germ Cell Mutagenicity

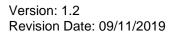
In vitro Product:	No data available.	
In vivo Product:	No data available.	
Reproductive toxicity Product:	No data available.	
Specific Target Organ Toxicity - Single Exposure Product:No data available.		
Specific Target Organ Toxicity - Repeated Exposure Product: No data available.		
Target Organs Specific Target Organ Toxicity - Single Exposure: Narcotic		
Aspiration Hazard Product:	No data available.	

Other effects: Narcotic effect.

12. Ecological information

Ecotoxicity:

Acute hazards to the aquatic environment:





Fish	
Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Chronic hazards to the aquati	c environment:
Fish	
Product:	No data available.
Aquatic Invertebrates Product:	No data available.
Toxicity to Aquatic Plants Product:	No data available.
Persistence and Degradability	
Biodegradation	
Product:	No data available.
BOD/COD Ratio	
Product:	No data available.
Bioaccumulative potential	
Bioconcentration Factor (B0 Product:	CF) No data available.
Partition Coefficient n-octanol / v Product:	vater (log Kow) No data available.
Mobility in soil:	No data available.
-	
Ethene, 1,1,2-trichloro-	Ition to environmental compartments
Carbon dioxide	No data available. No data available.
Oxirane, 2-(chloromethyl)-	
Other adverse effects:	Harmful to aquatic organisms.
13. Disposal considerations	
Disposal instructions:	Discharge, treatment, or disposal may be subject to national, state, or local laws.
Contaminated Packaging:	No data available

Contaminated Packaging: No data available.



14. Transport information

DOT

UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): Packing Group: Marine Pollutant: Environmental Hazards: Marine Pollutant	UN 1950 Aerosols, non-flammable 2.2 - II No No No
Special precautions for user:	Not regulated.
IMDG UN Number: UN Proper Shipping Name: Transport Hazard Class(es) Class: Label(s): EmS No.:	UN 1950 Aerosols, non-flammable 2 –
Packing Group:	_
Environmental Hazards: Marine Pollutant	No No
Special precautions for user:	Not regulated.
ΙΑΤΑ	
UN Number: Proper Shipping Name: Transport Hazard Class(es): Class: Label(s): Packing Group:	UN 1950 Aerosols, non-flammable 2.2 –
Environmental Hazards: Marine Pollutant	No No
Special precautions for user: Cargo aircraft only:	Not regulated. Allowed.

15. Regulatory information

US Federal Regulations

Restrictions on use: Not known.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)



US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)

None present or none present in regulated quantities.

CERCLA Hazardous Substance List (40 CFR 302.4):

Chemical Identity	Reportable quantity
Ethene, 1,1,2-trichloro-	lbs. 100
Oxirane, 2-	lbs. 100
(chloromethyl)-	

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Sudden Release of Pressure Immediate (Acute) Health Hazards Delayed (Chronic) Health Hazard Gases under pressure Skin Corrosion/Irritation Serious Eye Damage/Eye Irritation Germ Cell Mutagenicity Carcinogenicity Specific Target Organ Toxicity - Single Exposure Simple asphyxiant

SARA 302 Extremely Hazardous Substance

	<u>Reportable</u>	
Chemical Identity	quantity	Threshold Planning Quantity
Oxirane, 2- (chloromethyl)-	lbs. 100	lbs. 1000

SARA 304 Emergency Release Notification

Chemical Identity		Reportable quantity
Ethene, 1,1,2-trichloro-		lbs. 100
Oxirane,	2-	lbs. 100
(chloromethyl)-		

SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Oxirane, 2-(chloromethyl)-	lbs
Ethene, 1,1,2-trichloro-	10000 lbs
Carbon dioxide	10000 lbs
SARA 313 (TRI Reporting)	

e	<u>Reporting</u> threshold for	Reporting threshold for manufacturing and
Chemical Identity	other users	processing
Ethene, 1,1,2-trichloro-	lbs	lbs.
Oxirane, 2- (chloromethyl)-	lbs	lbs.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130): Clean Water Act Section 311 Hazardous Substances (40 CFR 117.3) **US State Regulations**

US. California Proposition 65

This product contains chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm.

Version: 1.2 Revision Date: 09/11/2019



Ethene, 1,1,2-trichloro-	Carcinogenic. 05 2011
Ethene, 1,1,2-trichloro-	Male reproductive toxin. 04 2014
Ethene, 1,1,2-trichloro-	Developmental toxin. 04 2014
Oxirane, 2-(chloromethyl)-	Carcinogenic. 05 2011
Oxirane, 2-(chloromethyl)-	Male reproductive toxin. 03 2008

US. New Jersey Worker and Community Right-to-Know Act

Chemical Identity

Ethene, 1,1,2-trichloro-Carbon dioxide Oxirane, 2-(chloromethyl)-

US. Massachusetts RTK - Substance List

Chemical Identity

Ethene, 1,1,2-trichloro-Oxirane, 2-(chloromethyl)-

US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Ethene, 1,1,2-trichloro-Carbon dioxide Oxirane, 2-(chloromethyl)-

US. Rhode Island RTK

No ingredient regulated by RI Right-to-Know Law present.

International regulations

Montreal protocol

Not applicable

Stockholm convention

Not applicable

Rotterdam convention

Not applicable

Kyoto protocol



Inventory Status: EINECS, ELINCS or NLP:	Not in compliance with the inventory.
Canada NDSL Inventory:	Not in compliance with the inventory.
Japan Pharmacopoeia Listing:	Not in compliance with the inventory.
Australia AICS:	On or in compliance with the inventory
Canada DSL Inventory List:	On or in compliance with the inventory
Japan (ENCS) List:	On or in compliance with the inventory
China Inv. Existing Chemical Substances:	On or in compliance with the inventory
Korea Existing Chemicals Inv. (KECI):	On or in compliance with the inventory
Philippines PICCS:	On or in compliance with the inventory
US TSCA Inventory:	On or in compliance with the inventory
New Zealand Inventory of Chemicals:	On or in compliance with the inventory
Japan ISHL Listing:	On or in compliance with the inventory
Mexico INSQ:	On or in compliance with the inventory
Ontario Inventory:	On or in compliance with the inventory
Taiwan Chemical Substance Inventory:	On or in compliance with the inventory

16.Other information, including date of preparation or last revision

Issue Date:	09/11/2019
Revision Information:	No data available.
Version #:	1.2
Further Information:	No data available.
Disclaimer:	This information is provided without warranty. The information is believed to be correct. This information should be used to make an independent determination of the methods to safeguard workers and the environment.

