

# SAFETY DATA SHEET

#### 1. Identification

Product identifier: SPRAYWAY CHLORINATED BRAKE PARTS CLEANER

Other means of identification SDS number: RE1000026683

#### 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	
Carcinogenicity	Category 2

#### **Environmental Hazards**

Acute hazards to the aquatic environment

Category 2

#### Label Elements

#### Hazard Symbol:



Signal Word:

Warning



Hazard Statement:	Contains gas under pressure; may explode if heated. Suspected of causing cancer. Toxic to aquatic life.
Precautionary Statements	
Prevention:	Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. Avoid release to the environment.
Response:	IF exposed or concerned: Get medical advice/attention.
Storage:	Store locked up. Protect from sunlight. Store in a well-ventilated place.
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 (%)*
Tetrachloroethylene	127-18-4	50 - <100%
Carbon dioxide	124-38-9	1 - <5%
Methane, tetrachloro-	56-23-5	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 POISON CENTER/doctor if you feel unwell. Rinse mouth.	
Inhalation:	Move to fresh air.	
Skin Contact:	Remove contaminated clothing and wash the skin thoroughly with soap and water after work.	
Eye contact:	Rinse immediately with plenty of water.	
Most important symptoms/effects, acute and delayed		
Symptoms:	No data available.	
Hazards:	No data available.	

#### Indication of immediate medical attention and special treatment needed

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5. Fire-fighting measures		
General Fire Hazards:	No unusual fire or explosion hazards noted.	
Suitable (and unsuitable) extingu	ishing media	
Suitable extinguishing media:	Use fire-extinguishing media appropriate for surrounding materials.	
Unsuitable extinguishing media:	Do not use water jet as an extinguisher, as this will spread the fire.	
Specific hazards arising from the chemical:	During fire, gases hazardous to health may be formed.	
Special protective equipment and precautions for firefighters		
Special fire fighting procedures:	No data available.	
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:	No data available.	
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:	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.	
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 Lir	nit Values	Source
Tetrachloroethylene	TWA	25 ppm	170 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	TWA	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)
	STEL	100 ppm		US. ACGIH Threshold Limit Values (2008)
	Ceiling	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
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 mg/m3	US. NIOSH: Pocket Guide to Chemical 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 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	30,000 ppm	54,000 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
Methane, tetrachloro-	STEL	2 ppm	12.6 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	5 ppm		US. ACGIH Threshold Limit Values (2008)
-	STEL	10 ppm		US. ACGIH Threshold Limit Values (2008)
	TWA	10 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	Ceiling	25 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)
	TWA	2 ppm	12.6 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	MAX. CONC	200 ppm		US. OSHA Table Z-2 (29 CFR 1910.1000) (02 2006)

#### **Biological Limit Values**

Chemical Identity	Exposure Limit Values	Source
Tetrachloroethylene	(End-exhaled air)	ACGIH BEL (03 2013)
Sampling time: Prior to shift.)		
	0.5 mg/l (Blood)	ACGIH BEL (03 2013)

#### Appropriate Engineering Controls

No data available.

## Individual protection measures, such as personal protective equipment

General information:	Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.
Eye/face protection:	Wear goggles/face shield.
Skin Protection Hand Protection:	No data available.



Other:	No data available.
Respiratory Protection:	In case of inadequate ventilation use suitable respirator. Seek advice from local supervisor.
Hygiene measures:	Observe good industrial hygiene practices. Wash hands before breaks and immediately after handling the product.

# 9. Physical and chemical properties

Appearance	
Physical state:	liquid
Form:	Spray Aerosol
Color:	No data available.
Odor:	Ethereal
Odor threshold:	No data available.
pH:	No data available.
Melting point/freezing point:	Estimated -22 °C
Initial boiling point and boiling range:	Estimated 121.4 °C (101.325 kPa)
Flash Point:	No data available.
Evaporation rate:	No data available.
Flammability (solid, gas):	Noncombustible Liquid, but decomposes in a fire to hydrogen chloride and phosgene
Upper/lower limit on flammability or explosive	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:	No data available.
Vapor density:	No data available.
Density:	No data available.
Relative density:	No data available.
Solubility(ies)	
Solubility in water:	No data available.
Solubility (other):	water: 0.2 g/l
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:	Strong oxidizers; chemically-active metals such as lithium, beryllium & barium; caustic soda; sodium hydroxide; potash
Hazardous Decomposition Products:	No data available.

#### 11. Toxicological information

# Information on likely routes of exposure<br/>Inhalation:No data available.Skin Contact:No data available.Eye contact:No data available.Ingestion:No data available.

#### Symptoms related to the physical, 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 effects

#### Acute toxicity (list all possible routes of exposure)

Oral Product:	ATEmix: 68,368.28 mg/kg
Dermal Product:	ATEmix: 227,894.26 mg/kg
Inhalation Product:	ATEmix: 2,278.94 mg/l ATEmix : 205.1 mg/l

#### Repeated dose toxicity Product:

No data available.

#### Specified substance(s):



Tetrachloroethylene Methane, tetrachloro-	LOAEL (Rat(Female, Male), Inhalation, 103 Weeks): 200 ppm(m) Inhalation Experimental result, Key study LOAEL (Mouse(Female), Oral, 78 - 90 Weeks): 390 mg/kg Oral Experimental result, Key study LOAEL (Mouse(Female, Male), Inhalation): 64 mg/m3 Inhalation Experimental result, Key study
Skin Corrosion/Irritation Product:	No data available.
Serious Eye Damage/Eye Irritatio Product:	on No data available.
Respiratory or Skin Sensitizatior Product:	No data available.
Carcinogenicity Product: Specified substance(s):	No data available.
Tetrachloroethylene Methane, tetrachloro-	Suspect cancer hazard - may cause cancer. Suspect cancer hazard - may cause cancer.
IARC Monographs on the Evalua	tion of Carcinogenic Risks to Humans:
Methane, tetrachloro-	Overall evaluation: 2B. Possibly carcinogenic to humans.
US. National Toxicology Progran No carcinogenic components	n (NTP) Report on Carcinogens: s identified
US. OSHA Specifically Regulated No carcinogenic components	d Substances (29 CFR 1910.1001-1050): s 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 - Product:	<b>Single Exposure</b> No data available.



Specific Target Organ Toxicity Product:	- Repeated Exposure No data available.
Specified substance(s): Methane, tetrachloro-	Category 1
Aspiration Hazard	

No data available.

Other effects:	No data available.

# 12. Ecological information

#### **Ecotoxicity:**

Product:

#### Acute hazards to the aquatic environment:

Fish Product:	No data available.	
Specified substance(s): Tetrachloroethylene	LC 50 (Oncorhynchus mykiss, 96 h): 5 mg/l Experimental result, Key study	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Tetrachloroethylene	LC 50 (Daphnia magna, 48 h): 9 - 18 mg/l Experimental result, Key study	
Methane, tetrachloro-	LC 50 (Water flea (Daphnia magna), 24 h): > 770 mg/l Mortality	
Chronic hazards to the aquatic environment:		
Fish Product:	No data available.	
Specified substance(s): Tetrachloroethylene	NOAEL (Jordanella floridae): 1.99 mg/l Experimental result, Key study	
Methane, tetrachloro-	LC 50 (Pimephales promelas): 16.25 mg/l Experimental result, Supporting study	
Aquatic Invertebrates Product:	No data available.	
Specified substance(s): Tetrachloroethylene	NOAEL (Daphnia magna): 510 μg/l Experimental result, Key study	
Methane, tetrachloro-	LOAEL (Daphnia magna): 5.6 mg/l Experimental result, Key study	



Toxicity to Aquatic Plants Product:	No data available.	
Persistence and Degradability		
Biodegradation Product:	No data available.	
Specified substance(s): Tetrachloroethylene	11 % (28 d) Detected in water. Experimental result, Supporting study	
Methane, tetrachloro-	100 % Detected in water. Experimental result, Weight of Evidence study	
BOD/COD Ratio Product:	No data available.	
Bioaccumulative potential Bioconcentration Factor (B Product:	<b>CF)</b> No data available.	
Specified substance(s): Tetrachloroethylene	Lepomis macrochirus, Bioconcentration Factor (BCF): 49 Aquatic sediment Experimental result, Key study	
Methane, tetrachloro-	Bluegill (Lepomis macrochirus), Bioconcentration Factor (BCF): 30 (Flow through)	
Partition Coefficient n-octanol / Product:	water (log Kow) No data available.	
Mobility in soil:	No data available.	
Known or predicted distribution	ution to environmental compartments	
Tetrachloroethylene	No data available.	
Carbon dioxide	No data available.	
Methane, tetrachloro-	No data available.	
Other adverse effects:	Toxic 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.	



## 14. Transport information

#### DOT

	UN Number:	UN 1950
	UN Proper Shipping Name:	Aerosols, non-flammable
	Transport Hazard Class(es)	
	Class:	2.2
	Label(s):	-
	Packing Group:	
	Marine Pollutant:	NO
	Environmental Hazards:	No
	Marine Pollutant	No
	Special precautions for user:	Not regulated.
1845		
	LIN Number:	LINI 1950
	UN Proper Shipping Name	Aerosols non-flammable
	Transport Hazard Class(es)	
	Class:	2
	Label(s):	_
	EmS No.:	F-D, S-U
	Packing Group:	_
	3	
	Environmental Hazards	No
	Marine Pollutant	Yes
	Special precautions for user:	Not regulated.
ΙΔΤ	Δ	
	UN Number:	UN 1950
	Proper Shipping Name:	Aerosols, non-flammable
	Transport Hazard Class(es):	,
	Class:	2.2
	Label(s):	-
	Packing Group:	-
	Environmental Hazarda	No
	Marine Pollutant	Yes
		100
	Special precautions for user:	Not regulated.
	Cargo aircraft only:	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	
Tetrachloroethylene	lbs. 100	
Methane, tetrachloro-	lbs. 10	

#### Superfund Amendments and Reauthorization Act of 1986 (SARA)

#### Hazard categories

Delayed (Chronic) Health Hazard Carcinogenicity

#### SARA 302 Extremely Hazardous Substance

	<u>Reportable</u>	
Chemical Identity	quantity	Threshold Planning Quantity
Methane, tetrachloro-		

#### SARA 304 Emergency Release Notification

Chemical Identity	Reportable quantity
Tetrachloroethylene	lbs. 100
Methane, tetrachloro-	lbs. 10

#### SARA 311/312 Hazardous Chemical

Chemical Identity	Threshold Planning Quantity
Tetrachloroethylene	10000 lbs
Carbon dioxide	10000 lbs
Methane, tetrachloro-	10000 lbs
SARA 313 (TRI Reporting)	

	<u>Reporting</u>	Reporting threshold for
	threshold for	manufacturing and
Chemical Identity	other users	processing
Tetrachloroethylene	lbs	lbs.
Methane, tetrachloro-	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.

Tetrachloroethylene	Carcinogenic. 05 2011
Methane, tetrachloro-	Carcinogenic. 05 2011

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

#### Chemical Identity

Tetrachloroethylene Carbon dioxide Methane, tetrachloro-



#### US. Massachusetts RTK - Substance List

<u>Chemical Identity</u> Tetrachloroethylene Methane, tetrachloro-

#### US. Pennsylvania RTK - Hazardous Substances

<u>Chemical Identity</u> Tetrachloroethylene Carbon dioxide Methane, tetrachloro-

#### US. Rhode Island RTK

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

#### International regulations

#### Montreal protocol

Methane, tetrachloro-

Ozone Depletion Potential: Group II Annex B

#### Stockholm convention

Not applicable

#### **Rotterdam convention**

Not applicable

#### Kyoto protocol



# **Inventory Status:** Australia AICS: On or in compliance with the inventory Canada DSL Inventory List: On or in compliance with the inventory EINECS, ELINCS or NLP: Not 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 Canada NDSL Inventory: Not 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 Japan Pharmacopoeia Listing: Not 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:	08/30/2019
<b>Revision Information:</b>	No data available.
Version #:	1.0
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.

