



# SAFETY DATA SHEET

## 1. Identification

**Product identifier:** Sprayway Clean Jet 100 - SW-805

**Other means of identification**

**SDS number:** RE1000011589

**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

**Label Elements**

**Hazard Symbol:**



**Signal Word:** Warning

**Hazard Statement:** Contains gas under pressure; may explode if heated.

**Precautionary Statements**

**Storage:** Protect from sunlight. Store in a well-ventilated place.

**Hazard(s) not otherwise classified (HNOC):** None.



### 3. Composition/information on ingredients

#### Mixtures

Chemical Identity	CAS number	Content in percent (%)*
Ethane, 1,1,1,2-tetrafluoro-	811-97-2	50 - <100%
Ethanol	64-17-5	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

<b>Ingestion:</b>	Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.
<b>Inhalation:</b>	Move to fresh air.
<b>Skin Contact:</b>	Wash skin thoroughly with soap and water. If skin irritation occurs: Get medical advice/attention.
<b>Eye contact:</b>	Any material that contacts the eye should be washed out immediately with water. If easy to do, remove contact lenses. If eye irritation persists: Get medical advice/attention.

#### Most important symptoms/effects, acute and delayed

<b>Symptoms:</b>	No data available.
<b>Hazards:</b>	No data available.

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

<b>Treatment:</b>	No data available.
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### 5. Fire-fighting measures

<b>General Fire Hazards:</b>	Use water spray to keep fire-exposed containers cool. Fight fire from a protected location. Stop flow of gas. Move containers from fire area if you can do so without risk.
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#### Suitable (and unsuitable) extinguishing media

<b>Suitable extinguishing media:</b>	Use fire-extinguishing media appropriate for surrounding materials.
<b>Unsuitable extinguishing media:</b>	Do not use water jet as an extinguisher, as this will spread the fire.

<b>Specific hazards arising from the chemical:</b>	Pressurized container may explode when exposed to heat or flame.
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#### Special protective equipment and precautions for firefighters

<b>Special fire fighting procedures:</b>	No data available.
<b>Special protective equipment for fire-fighters:</b>	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.



## 6. Accidental release measures

<b>Personal precautions, protective equipment and emergency procedures:</b>	No data available.
<b>Methods and material for containment and cleaning up:</b>	Stop the flow of material, if this is without risk. Absorb with sand or other inert absorbent.
<b>Environmental Precautions:</b>	Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Do not contaminate water sources or sewer. Environmental manager must be informed of all major spillages.

## 7. Handling and storage

<b>Precautions for safe handling:</b>	Provide adequate ventilation. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.
<b>Conditions for safe storage, including any incompatibilities:</b>	Protect from sunlight. Store in a cool place. Aerosol Level 1

## 8. Exposure controls/personal protection

### Control Parameters

#### Occupational Exposure Limits

Chemical Identity	Type	Exposure Limit Values	Source
Ethanol	REL	1,000 ppm 1,900 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	PEL	1,000 ppm 1,900 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	1,000 ppm 1,900 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	STEL	1,000 ppm	US. ACGIH Threshold Limit Values (2009)
2-Propanol, 2-methyl-	STEL	150 ppm 450 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)
	TWA	100 ppm 300 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	PEL	100 ppm 300 mg/m3	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000) (02 2006)
	TWA	100 ppm	US. ACGIH Threshold Limit Values (2008)
	STEL	150 ppm 450 mg/m3	US. OSHA Table Z-1-A (29 CFR 1910.1000) (1989)
	REL	100 ppm 300 mg/m3	US. NIOSH: Pocket Guide to Chemical Hazards (2005)

<b>Appropriate Engineering Controls</b>	No data available.
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### 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.

## 9. Physical and chemical properties

### Appearance

**Physical state:** liquid  
**Form:** Spray Aerosol  
**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:** Not applicable

**Evaporation rate:** No data available.

**Flammability (solid, gas):** No data available.

### 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:** 5,171 - 5,860 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 exposure

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

### Symptoms related to the physical, chemical and toxicological characteristics

<b>Inhalation:</b>	No data available.
<b>Skin Contact:</b>	No data available.
<b>Eye contact:</b>	No data available.
<b>Ingestion:</b>	No data available.

### Information on toxicological effects

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

##### Oral

###### Product:

###### Specified substance(s):

Ethanol LD 50 (Rat): 10,470 mg/kg

##### Dermal

###### Product:

###### Specified substance(s):

Ethanol LD 50 (Rabbit): 17,100 mg/kg

##### Inhalation

###### Product:

###### Specified substance(s):

Ethanol LC 50 (Rat): 124.7 mg/l  
LC 50: > 5 mg/l

### Repeated dose toxicity

**Product:** No data available.

###### Specified substance(s):

Ethane, 1,1,1,2-tetrafluoro- NOAEL (Rat(Female, Male), Inhalation, 2 yr): 50,000 ppm(m) Inhalation  
Experimental result, Key study  
Ethanol NOAEL (Rat(Male), Oral, 7 - 14 Weeks): 10 %(m) Oral Experimental result,  
Key study

### Skin Corrosion/Irritation

**Product:** No data available.

###### Specified substance(s):

Ethane, 1,1,1,2-tetrafluoro- in vivo (Rabbit): Slightly irritating Experimental result, Supporting study



Ethanol in vivo (Rabbit): Not irritant Experimental result, Key study

#### Serious Eye Damage/Eye Irritation

**Product:** No data available.

**Specified substance(s):**

Ethanol Rabbit, 1 - 24 hrs: Not irritating

#### Respiratory or Skin Sensitization

**Product:** No data available.

**Specified substance(s):**

Ethane, 1,1,1,2- Skin sensitization:, in vivo (Guinea pig): Non sensitising

tetrafluoro-

Ethanol Skin sensitization:, in vivo (Guinea pig): Non sensitising

#### Carcinogenicity

**Product:** No data available.

#### IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

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

No carcinogenic components identified

#### 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.

#### Aspiration Hazard

**Product:** No data available.

**Other effects:** No data available.

## 12. Ecological information

#### Ecotoxicity:

##### Acute hazards to the aquatic environment:

**Fish**

**Product:** No data available.

**Specified substance(s):**

Ethane, 1,1,1,2-tetrafluoro-

LC 50 (Oncorhynchus mykiss, 96 h): 450 mg/l Experimental result, Key study

Ethanol

LC 50 (Pimephales promelas, 96 h): 15.3 g/l Experimental result, Key study

**Aquatic Invertebrates****Product:**

No data available.

**Specified substance(s):**

Ethane, 1,1,1,2-tetrafluoro-

EC 50 (Daphnia magna, 24 h): 960 mg/l Experimental result, Key study

Ethanol

LC 50 (Ceriodaphnia dubia, 48 h): 5,012 mg/l Experimental result, Key study

**Chronic hazards to the aquatic environment:****Fish****Product:**

No data available.

**Specified substance(s):**

Ethanol

NOAEL (Oryzias latipes): 7,900 mg/l Read-across from supporting substance (structural analogue or surrogate), Supporting study

**Aquatic Invertebrates****Product:**

No data available.

**Specified substance(s):**

Ethanol

LC 50 (Daphnia magna): 454 mg/l Experimental result, Key study  
NOAEL (Daphnia magna): 9.6 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):**

Ethane, 1,1,1,2-tetrafluoro-

3 % (28 d) Detected in water. Experimental result, Key study

Ethanol

95 % Detected in water. Experimental result, Key study

**BOD/COD Ratio****Product:**

No data available.

**Bioaccumulative potential****Bioconcentration Factor (BCF)****Product:**

No data available.

**Specified substance(s):**

Ethanol

Cyprinus carpio, Bioconcentration Factor (BCF): 4.5 Aquatic sediment Read-across from supporting substance (structural analogue or surrogate), Supporting study

**Partition Coefficient n-octanol / water (log Kow)****Product:**

No data available.



**Mobility in soil:** No data available.

**Known or predicted distribution to environmental compartments**

Ethane, 1,1,1,2-tetrafluoro- No data available.  
Ethanol No data available.

**Other adverse effects:** No data available.

### 13. Disposal considerations

**Disposal instructions:** Wash before disposal. Dispose to controlled facilities.

**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: II  
Marine Pollutant: No  
  
Environmental Hazards: No  
Marine Pollutant: No  
  
Special precautions for user: Not regulated.

**IMDG**

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

**IATA**

UN Number: UN 1950  
Proper Shipping Name: Aerosols, non-flammable  
Transport Hazard Class(es):  
Class: 2.2  
Label(s): –  
Packing Group: –  
  
Environmental Hazards: No  
Marine Pollutant: No  
  
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):

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ethanol	lbs. 100
2-Propanol, 2-methyl-	lbs. 100

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

##### Hazard categories

Sudden Release of Pressure  
Gases under pressure

##### SARA 302 Extremely Hazardous Substance

None present or none present in regulated quantities.

##### SARA 304 Emergency Release Notification

<u>Chemical Identity</u>	<u>Reportable quantity</u>
Ethanol	lbs. 100
2-Propanol, 2-methyl-	lbs. 100

##### SARA 311/312 Hazardous Chemical

<u>Chemical Identity</u>	<u>Threshold Planning Quantity</u>
Ethane, 1,1,1,2-tetrafluoro-	10000 lbs
Ethanol	10000 lbs
2-Propanol, 2-methyl-	10000 lbs
Benzenemethanaminium, N-[2-[(2,6-dimethylphenyl)amino]-2-oxoethyl]-N,N-diethyl-, benzoate (1:1)	10000 lbs
Proprietary	10000 lbs

##### SARA 313 (TRI Reporting)

None present or none present in regulated quantities.

#### 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

No ingredient requiring a warning under CA Prop 65.

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

Chemical Identity  
Ethanol

##### US. Massachusetts RTK - Substance List

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

##### US. Pennsylvania RTK - Hazardous Substances

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

##### US. Rhode Island RTK

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



## International regulations

### Montreal protocol

Ethane, 1,1,1,2-tetrafluoro-

Group I Annex F

### 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:	Not in compliance with the inventory.
Korea Existing Chemicals Inv. (KECI):	Not 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:	Not 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:** 01/31/2020

**Revision Information:** 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.