



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product number 805-003
Product name **Clean Jet-100**
Effective date 30-Sep-2010
Company information Sprayway, Inc.
484 Vista Ave.
Addison, IL 60101 United States
Company phone General Assistance 1-630-628-3000
Emergency telephone US 800-424-9300
Emergency telephone outside US 703-527-3887
Version # 10
Supersedes date 28-May-2010

2. Hazards Identification

Emergency overview Aerosol. CONTENTS UNDER PRESSURE.
Health injuries are not known or expected under normal use.

Potential health effects

Eyes Contact with liquefied gas may cause frostbite. Health injuries are not known or expected under normal use.

Skin Contact with liquefied gas may cause frostbite. Health injuries are not known or expected under normal use.

Inhalation Intentional misuse by concentrating and inhaling the product can be harmful or fatal. Excessive inhalation of this material causes headache, dizziness, nausea and incoordination.

Ingestion Exposure by ingestion of an aerosol is unlikely. Small amounts of this product, if aspirated into the lungs, may cause mild to severe pulmonary injury.

3. Composition / Information on Ingredients

Components	CAS #	Percent
1,1,1,2-Tetrafluoroethane	811-97-2	> 90
Non-hazardous and other components below reportable levels		> 0.5

Composition comments This product is considered not hazardous under 29 CFR 1910.1200 (Hazard Communication).

4. First Aid Measures

First aid procedures

Eye contact Flush eyes with water as a precaution. Get medical attention if symptoms occur.

Skin contact Wash off with warm water and soap. Get medical attention if irritation develops or persists.

Inhalation Move to fresh air. Get medical attention if symptoms occur.

Ingestion In the unlikely event of swallowing contact a physician or poison control center.

5. Fire Fighting Measures

Flammable properties No unusual fire or explosion hazards noted. The product is not flammable.

Extinguishing media

Suitable extinguishing media Large Fires: Water spray, fog or regular foam.
Small Fires:

Protection of firefighters

Protective equipment and precautions for firefighters Containers should be cooled with water to prevent vapor pressure build up. Cool containers with flooding quantities of water until well after fire is out.

6. Accidental Release Measures

Methods for containment	Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk.
Methods for cleaning up	Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination. After removal flush contaminated area thoroughly with water.

7. Handling and Storage

Handling	Pressurized container: Do not pierce or burn, even after use. Do not smoke while using or until sprayed surface is thoroughly dry. Do not use if spray button is missing or defective. Do not re-use empty containers. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with skin. Avoid contact with eyes. Wear personal protective equipment.
Storage	Contents under pressure. Do not puncture, incinerate or crush. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep out of the reach of children. Level 1 Aerosol (NFPA 30B)

8. Exposure Controls / Personal Protection

Personal protective equipment	
Eye / face protection	Chemical goggles are recommended.
Skin protection	Wear protective gloves. Not normally needed.
Respiratory protection	No personal respiratory protective equipment normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

9. Physical & Chemical Properties

Appearance	Compressed liquefied gas.
Boiling point	-13 °F (-25 °C) estimated
Color	None known.
Flammability (HOC)	0.247 kJ/g estimated
Flash back	No
Flash point	None
Form	Not available
Odor	None.
pH	Not applicable
Physical state	Liquid.
Pressure	100 - 110 psig @70F
Solubility	None
Specific gravity	1.2036

10. Chemical Stability & Reactivity Information

Chemical stability	Stable at normal conditions.
Incompatible materials	None known.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological Information

Component analysis - LD50

Toxicology Data - Selected LD50s and LC50s

1,1,1,2-Tetrafluoroethane 811-97-2 Inhalation LC50 Rat 1500 g/m3 4 h

Sensitization	Not expected to be hazardous by OSHA criteria.
Teratogenicity	Not expected to be hazardous by OSHA criteria.

12. Ecological Information

Ecotoxicity This product has no known eco-toxicological effects.

13. Disposal Considerations

Disposal instructions Contents under pressure. Do not puncture, incinerate or crush. This product, in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40 CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. Dispose in accordance with all applicable regulations.

14. Transport Information

Department of Transportation (DOT) Requirements

Basic shipping requirements:

Proper shipping name	Consumer commodity
Hazard class	ORM-D
Subsidiary hazard class	None
Additional information:	
Special provisions	10232
Packaging exceptions	156, 306
Packaging non bulk	156, 306
Packaging bulk	None

IMDG

Basic shipping requirements:

Proper shipping name	AEROSOLS
Hazard class	2.2
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY
Labels required	None



IATA

Basic shipping requirements:

Proper shipping name	Aerosols, non-flammable
Hazard class	2.2
UN number	1950
Additional information:	
Packaging exceptions	LTD QTY
Labels required	2.2



15. Regulatory Information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
CERCLA/SARA Hazardous Substances - Not applicable.

Occupational Safety and Health Administration (OSHA)

29 CFR 1910.1200 hazardous chemical Yes

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Section 302 extremely hazardous substance No

Section 311 hazardous chemical Yes

Hazard categories (311/312) Immediate Hazard - No
Delayed Hazard - No
Fire Hazard - No
Pressure Hazard - Yes
Reactivity Hazard - No

Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

16. Other Information

Further information

HMIS® is a registered trade and service mark of the NPCA.

HMIS® ratings

Health: 0
Flammability: 2
Physical hazard: 0

Disclaimer

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MSDS sections updated

Product and Company Identification: Product and Company Identification

Prepared by

Regulatory Compliance