

SP RICHARD POWER DUSTER


SAFETY DATA SHEET

OSHA HCS (29 CFR 1910.1200)

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Product identifier	ITEM 1122718, 1308929, 1308930
Chemical Name	1,1,1,2-Tetrafluoroethane
CAS No.	811-97-2
Trade Name	SP RICHARD POWER DUSTER
Product Code	SP-501027, SP-501028, SP-501029, CCS24308, CCS24309, CCS24310
Relevant identified uses of the substance or mixture and uses advised against	
Identified Use(s)	Dusting Agent
Uses Advised Against	None
Company Identification	Spray Products Corporation P.O. Box 737 Norristown, PA 19404
Telephone	(610) 277-1010
Fax	(610) 277-4390
E-Mail (competent person)	johnd@sprayproducts.com
Emergency telephone number	
Emergency Phone No.	Transportation Emergency: CHEMTREC 24 hr. 1-800-424-9300 / 1 (703) 527-3887 (Collect calls accepted)

SECTION 2: HAZARDS IDENTIFICATION

Classification of the substance or mixture	OSHA HCS (29 CFR 1910.1200)	Liquefied gas; Simple Asphyxiant
Label elements		
Hazard Symbol		
Signal word(s)		WARNING
Hazard Statement(s)		Contains gas under pressure; may explode if heated. May displace oxygen and cause rapid suffocation.
Precautionary Statement(s)		Protect from sunlight and do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place. Do not use in confined spaces. Avoid breathing gas. Keep out of reach of children.
Other hazards		Intentional inhalation of gas from the container may be fatal.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredient(s)	% wt.	CAS No.	Hazard classification
1,1,1,2-Tetrafluoroethane	100	811-97-2	Liquified Gas; H280 Simple Asphyxiant

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Additional Information - None

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	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If symptoms occur obtain medical attention.
Ingestion	Unlikely to be required but if necessary treat symptomatically. Do not give anything by mouth to an unconscious person. Seek medical treatment.

Most important symptoms and effects, both acute and delayed

Liquid contact with skin or eyes may cause frostbite.

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	Non-combustible. As appropriate for surrounding fire.
-Unsuitable Extinguishing Media	None anticipated

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.

Environmental precautions

Not normally required.

Methods and material for containment and cleaning up

Gaseous. Not normally required.

Reference to other sections

None

Additional Information

None

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling

Avoid contact with skin and eyes. Use product in a well-ventilated area only. Do not use in confined spaces.

Conditions for safe storage, including any incompatibilities

SP RICHARD POWER DUSTER

-Storage temperature

Keep in a cool, well ventilated place. Store at temperatures not exceeding 50 °C / 122 °F.

-Incompatible materials

This product should be stored away from sources of strong heat or oxidizing chemicals. Materials to avoid: Finely divided metals, Magnesium or alloys containing 2% or more of Magnesium. Reacts violently with Alkali and Alkaline Earth metals such as: Potassium, Sodium or Barium.

Specific end use(s)

Dusting Agent

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits

SUBSTANCE.	CAS No.	(8hr TWA)		(STEL)		Note:
		PEL (OSHA)	TLV (ACGIH)	PEL (OSHA)	TLV (ACGIH)	
None	811-97-2	-----	-----	-----	-----	#

*Assure minimum oxygen content of work atmosphere.

Recommended monitoring method

Electrochemical sensor (% O₂)

Exposure controls

Appropriate engineering controls

Ensure adequate ventilation.

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 (Nitrile rubber)



Respiratory protection

Normally no personal respiratory protection is necessary. In case of insufficient ventilation, wear suitable respiratory equipment. A dust mask is not acceptable.



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

Liquified gas

Color.

Colorless

Odor

Ethereal

Odor Threshold (ppm)

Not available

pH (Value)

Not available

Melting Point (°C) / Freezing Point (°C)

-108

Boiling point/boiling range (°C):

-26

Flash Point (°C)

Gaseous - Not applicable

Evaporation Rate

Gaseous

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Flammability (solid, gas)	Non-flammable
Explosive Limit Ranges	Non-flammable
Vapor pressure (Pascal)	5.8 x 10 ⁵ (@ 21°C)
Vapor Density (Air=1)	3.52 (@ 25°C)
Density (g/ml)	Not available
Solubility (Water)	0.95% (@ 21°C)
Solubility (Other)	Not available
Partition Coefficient (n-Octanol/water)	Not available
Auto Ignition Point (°C)	>743
Decomposition Temperature (°C)	Not available
Kinematic Viscosity (cSt)	Not available
Explosive properties	Not explosive.
Oxidizing properties	Not oxidizing.
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 oxidizing agents. Materials to avoid: Finely divided metals, Magnesium or alloys containing 2% or more of Magnesium. Reacts violently with Alkali and Alkaline Earth metals such as: Potassium, Sodium or Barium.
Hazardous decomposition product(s)	Halogen acids by thermal decomposition.

SECTION 11: TOXICOLOGICAL INFORMATION

Exposure routes: Inhalation, Skin Contact, Eye Contact

Acute toxicity (Inhalation)	LCLo >= 567000 ppm 4 hr exposure
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SECTION 12: ECOLOGICAL INFORMATION

Aquatic toxicity:	
Short term	Not available
Long Term	Not available

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.
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SECTION 14: TRANSPORT INFORMATION

	<u>U.S. DOT</u>	<u>Sea transport (IMDG)</u>	<u>Air transport (ICAO/IATA)</u>
UN number	3159	3159	3159
Proper Shipping Name	1,1,1,2-Tetrafluoroethane	1,1,1,2-Tetrafluoroethane	1,1,1,2-Tetrafluoroethane
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

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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)
None	----	----	----

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.
None	----	----

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
None	----	----

SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

Date of preparation: July 31, 2014

Hazard Statement(s) and Risk Phrases Listed in: SECTION 2:/ SECTION 3:

Hazard Statement(s)

- H280: Contains gas under pressure; may explode if heated.

Training advice: None.

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