

Safety Data Sheet

DUST-OFF DUSTER

NS-PCYA821 / NS-PCYA821-C / NS-PCYAA01 / NS-PCYAA01-C / NS-PCYA355 / NS-PCYA355-C /
NS-PCYA855 / NS-PCYA855-C

	1 PRODUCT & COMPANY IDENTIFICATION PAGE: 2		9 PHYSICAL & CHEMICAL PROPERTIES PAGE: 7
	2 HAZARDS IDENTIFICATION PAGE: 2		10 STABILITY & REACTIVITY PAGE: 8
	3 COMPOSITION/INFORMATION ON INGREDIENTS PAGE: 3		11 TOXICOLOGICAL INFORMATION PAGE: 8
	4 FIRST AID MEASURES PAGE: 3		12 ECOLOGICAL INFORMATION PAGE: 9
	5 FIRE-FIGHTING MEASURES PAGE: 4		13 DISPOSAL CONSIDERATIONS PAGE: 9
	6 ACCIDENTAL RELEASE MEASURES PAGE: 5		14 TRANSPORT INFORMATION PAGE: 10
	7 HANDLING & STORAGE PAGE: 5		15 REGULATORY INFORMATION PAGE: 11
	8 EXPOSURE CONTROLS/ PERSONAL PROTECTION PAGE: 6		16 OTHER INFORMATION PAGE: 13

CONFORMS TO ANSI Z400.1/Z129.1-2010 Standard.

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1. PRODUCT AND COMPANY IDENTIFICATION

Product name	Dust-Off® Duster
Synonym(s)	3.5oz, 7 oz., 10 oz. Professional – 12 oz. Jumbo – 17 oz. Classic and Plus
CAS #	75-37-6
Product use	Dust control
Manufacturer	Falcon Safety Products, Inc. 25 Imclone Drive Branchburg, NJ 08876 US Phone: 1-908-707-4900 Medical Emergency: 1-800-498-7192



2. HAZARDS IDENTIFICATION

Emergency overview	DANGER FLAMMABLE GAS. MAY CAUSE FLASH FIRE. Contents under pressure. Containers may explode when heated.
Potential short term health effects	
Routes of exposure	Eye, Skin contact, Inhalation.
Eyes	Contact with liquid may cause frostbite.
Skin	Contact with liquid may cause frostbite.
Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). Vapors may cause dizziness or suffocation.
Ingestion	Not a normal route of exposure.
Target organs	Eyes. Skin. Respiratory system.
Chronic effects	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
Signs and symptoms	Symptoms may include redness, edema, drying, defatting and cracking of the skin.

OSHA regulatory status

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Potential environmental effects

Not available.



3. COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENT(S)	CAS #	PERCENT
1,1-Difluoroethane	75-37-6	60 - 100



4. FIRST AID MEASURES

First aid procedures**Eye contact**

Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.

Skin contact

Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.

Inhalation

If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.

Ingestion

Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.

General advice

Do not puncture or incinerate container. If you feel unwell, seek medical advice (show the label where possible). Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Show this safety data sheet to the doctor in attendance. Avoid contact with eyes and skin. Keep out of reach of children.



5. FIRE-FIGHTING MEASURES

Flammable properties

Flammable by WHMIS/OSHA criteria. Containers may explode when heated.

Extinguishing media

Suitable extinguishing media

Do not extinguish burning gas if flow cannot be shut off immediately. Use water spray or fog nozzle to keep cylinder cool

Small Fires: Dry chemical. Carbon dioxide.

Large Fires: Water spray. Fog.

Unsuitable extinguishing media

Not available.

Protection of firefighters

Specific hazards arising from the chemical

Contents under pressure.

Pressurized container may explode when exposed to heat or flame.

Vapors are heavier than air and may travel along the ground to some distant source of ignition and flash back.

Cool containers with flooding quantities of water until well after fire is out.

Protective equipment for firefighters

Firefighters should wear full protective clothing including self-contained breathing apparatus.

Hazardous combustion products

May include and are not limited to: Oxides of carbon. Fluoride gases.

Explosion data

Sensitivity to mechanical impact

Not available.

Sensitivity to static discharge

Not available.



6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.

Environmental precautions

Prevent further leakage or spillage if safe to do so.

Methods for containment

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.

Methods for cleaning up

Before attempting clean up, refer to hazard data given above. Remove sources of ignition. Although the chance of a significant spill or leak is unlikely in aerosol containers, in the event of such an occurrence, absorb spilled material with a non-flammable absorbent such as sand or vermiculite.



7. HANDLING & STORAGE

Handling

Use good industrial hygiene practices in handling this material.

Avoid contact with eyes and skin.

Avoid breathing mists or aerosols of this product.

Use only with adequate ventilation.

Storage

Keep away from heat, open flames or other sources of ignition.

Do not store at temperatures above 49°C (120.2°F).

Keep out of reach of children.



8. EXPOSE CONTROLS/PERSONAL PROTECTION

Exposure limits

INGREDIENT(S)	EXPOSURE LIMITS
1,1-Difluoroethane	ACGIH-TLV Not established OSHA-PEL Not established

Engineering controls

Use only under good ventilation conditions or with respiratory protection.

Personal protective equipment

Eye/Face protection

Wear safety glasses with side shields.

Hand protection

If there is constant skin contact, rubber gloves are recommended.

Skin and body protection

As required by employer code.

Respiratory protection

Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. When using do not eat or drink. Wash hands and face before breaks and immediately after handling the product.



9. PHYSICAL & CHEMICAL PROPERTIES

Appearance	Clear
Color	Colorless
Form	Liquefied gas
Odor	Slight ethereal
Odor threshold	Not available
Physical state	Gas
pH	Not applicable
Melting point	Not available
Freezing point	Not available
Boiling point	-13.00°F (-25°C)
Pour point	Not available
Evaporation rate	Not available
Flash point	-58.00 °F (-50 °C)
Auto-ignition temperature	849.20 °F (454 °C)
Flammability limits in air, lower, % by volume	3.9
Flammability limits in air, upper, % by volume	16.9
Vapor pressure	599.43 KPa @25°C
Vapor density	2.4 @25°C (air=1)
Specific gravity	0.91
Relative gravity	0.9 g/cc @25°C
Octanol/Water coefficient	Not available
Solubility (H₂O)	Slightly
Viscosity	Not available
Percent volatile	100



10. STABILITY & REACTIVITY

Reactivity	None known.
Possibility of hazardous reactions	Hazardous polymerization does not occur.
Chemical stability	Stable under recommended storage conditions.
Conditions to avoid	Aerosol containers are unstable at temperatures above 49°C (120.2°F).
Incompatible materials	Alkaline materials. Alkaline earth metals.
Hazardous decomposition products	May include and are not limited to: Oxides of carbon. Fluoride gases.



11. TOXICOLOGICAL INFORMATION

Component analysis – LC50

INGREDIENT(S)	LC50
1,1-Difluoroethane	> 64000 ppm rat

Component analysis – Oral LD50

INGREDIENT(S)	LD50
1,1-Difluoroethane	1500 mg/kg rat

Effects of acute exposure

Eye	Contact with liquid may cause frostbite.
Skin	Contact with liquid may cause frostbite.
Inhalation	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). Vapors may cause dizziness or suffocation.
Ingestion	Not a normal route of exposure.
Sensitization	Non-hazardous by WHMIS/OSHA criteria.
Chronic effects	Non-hazardous by WHMIS/OSHA criteria.
Carcinogenicity	Non-hazardous by WHMIS/OSHA criteria.
Mutagenicity	Non-hazardous by WHMIS/OSHA criteria.
Reproductive effects	Non-hazardous by WHMIS/OSHA criteria.

Teratogenicity	Non-hazardous by WHMIS/OSHA criteria.
Name of Toxicologically Synergistic Products	Not available.



12. ECOLOGICAL INFORMATION

Ecotoxicity	Not available.
Persistence/Degradability	Not available.
Bioaccumulation/Accumulation	Not available.
Mobility in environmental media	Not available.
Environmental effects	Not available.
Aquatic toxicity	Not available.
Partition coefficient	Not available.
Chemical fate information	Not available.
Other adverse effects	Not available.



13. DISPOSAL CONSIDERATIONS

Disposal instructions	Review federal, state/provincial, and local government requirements prior to disposal. Do not puncture or incinerate container.
Waste from residues/unused products	Not available.
Contaminated packaging	Not available.



14. TRANSPORT INFORMATION

U.S. DEPARTMENT OF TRANSPORTATION (DOT)

Basic shipping requirements

Proper shipping name	1,1-Difluoroethane
Hazard class	2.1



UN number	1030
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Additional information

Packaging exceptions	NOTE: Falcon Safety Products has been granted a DOT exemption that allows this product to be shipped similar to a Consumer Commodity (ORM-D). A copy of the DOT exemption can be obtained by calling Falcon Safety Products, Inc at 908-707-4900.
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TRANSPORTATION OF DANGEROUS GOODS (TDG - CANADA)

Basic shipping requirements

Proper shipping name	1,1-Difluoroethane
Hazard class	2.1
UN number	1030



Additional information

Packaging exceptions	Limited quantity (containers up to 125 mL)
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NOTE: Falcon Safety Products has been granted Equivalency Certificate SU 9211 (Ren.1) by the TCSS, TDGD to offer for transport by road, rail, and marine.

IATA/ICAO (AIR)

Basic shipping requirements

Proper shipping name	1,1-Difluoroethane
Hazard class	2.1
UN number	1030



Additional information

Maximum net quantity packaging	Cargo aircraft only – 150 kg maximum (Forbidden on passenger aircraft)
Maximum net quantity packaging cargo only	150 kg

IMDG (MARINE TRANSPORT)**Basic shipping requirements**

Proper shipping name	1,1-DIFLUOROETHANE
Hazard class	2.1
UN number	1030

**15. REGULATORY INFORMATION****Canadian federal regulations**

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

WHMIS status

Controlled

WHMIS classification

Class A - Compressed Gas, Class B - Division 1 - Flammable Gas

WHMIS labeling**Occupational Safety and Health Administration (OSHA)**

29 CFR 1910.1200
hazardous chemical

Yes

US Federal regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

CERCLA (Superfund) reportable quantity

None

Superfund Amendments and Reauthorization Act of 1986 (SARA)

Hazard categories

Immediate Hazard – Yes

Delayed Hazard – No

Fire Hazard – Yes

Pressure Hazard – Yes

Reactivity Hazard – No

Section 302 extremely hazardous substance

No

Section 311 hazardous chemical	Yes
Clean Air Act (CAA)	Not available
Clean Water Act (CWA)	Not available
State regulations	This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
U.S. - Massachusetts - Right To Know List	1,1-Difluoroethane 75-37-6 Present
U.S. - New Jersey - Right to Know Hazardous Substance List	1,1-Difluoroethane 75-37-6 sn 0715

Inventory name

COUNTRY(S) OR REGION	INVENTORY NAME	ON INVENTORY (YES/NO)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
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

LEGEND HMIS/NFPA	
4	Severe
3	Serious
2	Moderate
1	Slight
0	Minimal

Health	/	1
Flammability		4
Physical hazard		1
Personal protection		X



Disclaimer

Information contained herein was obtained from sources considered technically accurate and reliable. While every effort has been made to ensure full disclosure of product hazards, in some cases data is not available and is so stated. Since conditions of actual product use are beyond control of the supplier, it is assumed that users of this material have been fully trained according to the requirements of all applicable legislation and regulatory instruments. No warranty, expressed or implied, is made and supplier will not be liable for any losses, injuries or consequential damages which may result from the use of or reliance on any information contained in this document.

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Prepared by

Falcon Safety Products, Inc.

Other information

For an updated MSDS, please contact the supplier/manufacturer listed on the first page of the document.

This MSDS conforms to the ANSI Z400.1/Z129.1-2010 Standard.