MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name Dust-Off® The Original Compressed-Gas Duster

Synonym(s) 3.5oz, 7 oz., 10 oz.,

Professional – 12oz Jumbo – 17oz Classic and Plus

CAS # Mixture
Product use Dust control

Manufacturer Falcon Safety Products, Inc.

25 Imclone Drive

Branchburg, NJ 08876 US Phone: 1-908-707-4900 Falcon Safety Products, Inc.

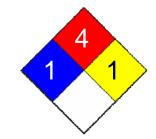
Supplier Falcon Safety Products, I

25 Imclone Drive

Branchburg, NJ 08876 US Phone 1-908-707-4900

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





2. Hazards Identification

Emergency overview DANGER

Flammable gas. 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.

IngestionNot a normal route of exposure.Target organsEyes. 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.

3. Composition / Information on Ingredients

Ingredient(s)	CAS#	Percent
Ethane, 1,1-difluoro-	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. Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is Ingestion 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 by WHMIS/OSHA criteria. Containers may explode when heated. Flammable properties 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. Water spray. Fog. Unsuitable extinguishing media Not available Protection of firefighters Specific hazards arising from Contents under pressure. Pressurized container may explode when exposed to heat or flame. Cool containers with flooding quantities of water until well after fire is out. the chemical Firefighters should wear full protective clothing including self contained breathing Protective equipment for firefighters apparatus. Hazardous combustion products May include and are not limited to: Oxides of carbon. Fluoride gases. **Explosion data** Sensitivity to mechanical Not available impact Sensitivity to static discharge Not available 6. Accidental Release Measures Keep unnecessary personnel away. Do not touch or walk through spilled material. Do Personal precautions not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak. Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Methods for containment Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas. Before attempting clean up, refer to hazard data given above. Remove sources of Methods for cleaning up 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 and Storage Handling Avoid breathing mists or aerosols of this product. Use good industrial hygiene practices in handling this material. Keep out of reach of children. Do not store at temperatures above 49 °C (120.2°F). Storage Keep away from heat, open flames or other sources of ignition. 8. Exposure Controls / Personal Protection **Exposure limits** Ingredient(s) **Exposure Limits** Ethane, 1,1-difluoro-**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.

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

Skin and body protection

Respiratory protection

As required by employer code.

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

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

product.

9. Physical and Chemical Properties

Clear. **Appearance** Color Colorless **Form** Liquefied gas Odor Slight ethereal. Odor threshold Not available

Physical state Gas

pН Not applicable Not available **Melting point** Not available Freezing point -25 °C (-13.00 °F) **Boiling point** -50 °C (-58.00 °F) Flash point Pour point Not available Not available **Evaporation rate**

Flammability limits in air, lower, %

by volume

Flammability limits in air, upper, %

by volume

599.43 kPa @25°C Vapor pressure 2.4 @25°C (air=1) Vapor density

0.91 Specific gravity

0.9 g/cc @25°C Relative density Not available Octanol/water coefficient Slightly Solubility (H2O)

Auto-ignition temperature 454 °C (849.20 °F)

100 Percent volatile

10. Stability and Reactivity

Chemical stability Stable under recommended storage conditions.

Conditions to avoid Aerosol containers are unstable at temperatures above 49°C (120.2°F).

Alkaline materials. Alkaline earth metals. Incompatible materials

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

Possibility of hazardous reactions Hazardous polymerization does not occur.

11. Toxicological Information

Component analysis - LC50

Ingredient(s) **LC50**

Ethane, 1,1-difluoro-> 64000 ppm rat

Component analysis - Oral LD50

Ingredient(s) **LD50**

Ethane, 1,1-difluoro-1500 mg/kg rat

Effects of acute exposure

Contact with liquid may cause frostbite. Eye Skin Contact with liquid may cause frostbite.

#19638 Page 3 of 6 Issue date 18-Apr-2012 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.

SensitizationNon-hazardous by WHMIS/OSHA criteria.Chronic effectsNon-hazardous by WHMIS/OSHA criteria.CarcinogenicityNon-hazardous by WHMIS/OSHA criteria.MutagenicityNon-hazardous by WHMIS/OSHA criteria.Reproductive effectsNon-hazardous by WHMIS/OSHA criteria.TeratogenicityNon-hazardous by WHMIS/OSHA criteria.

Synergistic Materials Not available

12. Ecological Information

Ecotoxicity Not available

Environmental effects Product contains no ozone depleting CFCs

Aquatic toxicity

Persistence / degradability

Bioaccumulation / accumulation

Partition coefficient

Mobility in environmental media

Chemical fate information

Other adverse effects

Not available

Not available

13. Disposal Considerations

Waste codes Not available

Disposal instructions Review federal, state/provincial, and local government requirements prior to disposal.

Waste from residues / unused

products

Not available

Contaminated packaging Not available

14. Transport Information

U.S. Department of Transportation (DOT) / International Maritime Organization (IMO)

Basic shipping requirements:

Proper shipping name 1,1-Difluoroethane

Hazard class 2.1 UN number 1030

Additional information:

DOT PackagingNOTE: Falcon Safety Products has been granted a DOT exemption that allows this product to

Exceptions: 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 125mL)



IATA/ICAO (Air)

Basic shipping requirements:

Proper shipping name 1,1-Difluoroethane

Hazard class 2.1 UN number 1030

Additional information:

Maximum net quantity Cargo aircraft only – 150 kg maximum

packaging (Forbidden on passenger aircraft)



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.

Canada - CEPA - Schedule I - List of Toxic Substances

Ethane, 1,1-difluoro- 75-37-6 Totally halogenated chlorofluorocarbons that have the molecular formula CnClxF(2n+2-x):

(a) quantities that may be manufactured or imported; (b) Prohibition on manufacture, use,

sale, offer for sale, import or export except for authorized uses [SOR/89-351, s. 16;

90-453, s. 5; 94-408, s. 24; 92-507, s. 17; 96-237, s. 5]

US Federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard

Communication Standard, 29 CFR 1910.1200.

All components are on the U.S. EPA TSCA Inventory List.

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)

Hazard categories Immediate Hazard - Yes

Delayed Hazard - No Fire Hazard - Yes Pressure Hazard - Yes Reactivity Hazard - No

Section 302 extremely

hazardous substance

Section 311 hazardous chemical Yes

Clean Air Act (CAA)

Clean Water Act (CWA)

Not available

Not available

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WHMIS status Controlled

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

WHMIS labeling





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. - Louisiana - Reportable Quantity List for Pollutants

Ethane, 1,1-difluoro- 75-37-6 5000 Lb final RQ; 2270 kg final RQ

U.S. - Massachusetts - Right To Know List

Ethane, 1,1-difluoro- 75-37-6 Present U.S. - New Jersey - Right to Know Hazardous Substance List Ethane, 1,1-difluoro- 75-37-6 sn 0715

Inventory name

Country(s) or regionInventory nameOn inventory (yes/no)*CanadaDomestic Substances List (DSL)YesCanadaNon-Domestic Substances List (NDSL)NoUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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

16. Other Information

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. (908) 707-4900

Other information For an updated MSDS, please contact the supplier/manufacturer listed on the first

page of the document.

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