MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Name OfficeMax® Compressed Gas Duster

Model # OM96090 Synonym(s) Model #: OM96091 Model #: OM96092

Model #: OM04736, OM04737

75-37-6 CAS# Dust control Product use

Falcon Safety Products, Inc. Manufacturer

25 Imclone Drive Branchburg, NJ 08876 US Phone: 1-908-707-4900

Supplier

OfficeMax

263 Shuman Blvd Naperville, IL 60563 US Phone 1-630-438-7800

2. Hazards Identification

DANGER **Emergency overview**

FLAMMABLE GAS. MAY CAUSE FLASH FIRE.

Contents under pressure.

Containers may explode when heated.

Potential short term health effects

Eye, Skin contact, Inhalation. Routes of exposure

Contact with liquid may cause frostbite. Eyes 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. Eyes. Skin. Respiratory system. **Target organs**

Prolonged or repeated exposure can cause drying, defatting and dermatitis. **Chronic effects**

Symptoms may include redness, edema, drying, defatting and cracking of the skin. Signs and symptoms

This product is a "Hazardous Chemical" as defined by the OSHA Hazard **OSHA Regulatory Status**

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

General advice

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

If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical Inhalation

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.

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.

Do not puncture or incinerate container. If you feel unwell, seek medical advice (show

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	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 and 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. Exp	posure 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.

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

Skin and body protection

As required by employer code.

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

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 and Chemical Properties

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

Gas Physical state

Not applicable рH Not available **Melting point** Not available Freezing point -13.00 °F (-25 °C) **Boiling point** Pour point Not available **Evaporation rate** Not available -58.00 °F (-50 °C) Flash point 849.20 °F (454 °C) Auto-ignition temperature

Flammability limits in air, lower, %

by volume

16.9 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 Octanol/water coefficient Not available Solubility (H2O) Slightly Not available **Viscosity**

Percent volatile 100

10. Stability and Reactivity

None known. Reactivity

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

LC50 Ingredient(s)

1,1-Difluoroethane > 64000 ppm rat

Component analysis - Oral LD50

Ingredient(s) **LD50**

1500 mg/kg rat 1,1-Difluoroethane

Effects of acute exposure

Contact with liquid may cause frostbite. Eye

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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.

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.

Name of Toxicologically Synergistic Not available

Products

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 Not available Partition coefficient Not available Chemical fate information 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

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.



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)

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

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

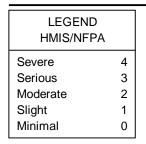
1,1-Difluoroethane 75-37-6 Present U.S. - New Jersey - Right to Know Hazardous Substance List 1.1-Difluoroethane 75-37-6 sn 0715

Inventory name

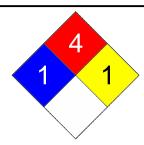
Country(s) or regionInventory nameOn inventory (yes/no)*CanadaDomestic Substances List (DSL)YesCanadaNon-Domestic Substances List (NDSL)NoUnited States & Puerto RicoToxic Substances Control Act (TSCA) InventoryYes

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.

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.