

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

<b>Product Name</b>	<b>OfficeMax® Compressed Gas Duster</b>
<b>Synonym(s)</b>	Model # OM96090 Model #: OM96091 Model #: OM96092 Model #: OM04736, OM04737
<b>CAS #</b>	75-37-6
<b>Product use</b>	Dust control
<b>Manufacturer</b>	<b>Falcon Safety Products, Inc.</b> 25 Imclone Drive Branchburg, NJ 08876 US Phone: 1-908-707-4900
<b>Supplier</b>	<b>OfficeMax</b> 263 Shuman Blvd Naperville, IL 60563 US Phone 1-630-438-7800

## 2. Hazards Identification

<b>Emergency overview</b>	DANGER FLAMMABLE GAS. MAY CAUSE FLASH FIRE. Contents under pressure. Containers may explode when heated.
<b>Potential short term health effects</b>	
<b>Routes of exposure</b>	Eye, Skin contact, Inhalation.
<b>Eyes</b>	Contact with liquid may cause frostbite.
<b>Skin</b>	Contact with liquid may cause frostbite.
<b>Inhalation</b>	Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effects (headache, dizziness). Vapors may cause dizziness or suffocation.
<b>Ingestion</b>	Not a normal route of exposure.
<b>Target organs</b>	Eyes. Skin. Respiratory system.
<b>Chronic effects</b>	Prolonged or repeated exposure can cause drying, defatting and dermatitis.
<b>Signs and symptoms</b>	Symptoms may include redness, edema, drying, defatting and cracking of the skin.
<b>OSHA Regulatory Status</b>	This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
<b>Potential environmental effects</b>	Not available

## 3. Composition / Information on Ingredients

<b>Ingredient(s)</b>	<b>CAS #</b>	<b>Percent</b>
1,1-Difluoroethane	75-37-6	60 - 100

## 4. First Aid Measures

<b>First aid procedures</b>	
<b>Eye contact</b>	Immediately flush with cool water. Remove contact lenses, if applicable, and continue flushing for 15 minutes. Obtain medical attention immediately.
<b>Skin contact</b>	Flush with cool water. Wash with soap and water. Obtain medical attention if irritation persists.
<b>Inhalation</b>	If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention. If breathing has stopped, trained personnel should administer CPR immediately.
<b>Ingestion</b>	Do not induce vomiting. Never give anything by mouth if victim is unconscious, or is convulsing. Obtain medical attention.
<b>General advice</b>	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

---

<b>Flammable properties</b>	Flammable by WHMIS/OSHA criteria. Containers may explode when heated.
<b>Extinguishing media</b>	
<b>Suitable extinguishing media</b>	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.
<b>Unsuitable extinguishing media</b>	Not available
<b>Protection of firefighters</b>	
<b>Specific hazards arising from the chemical</b>	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.
<b>Protective equipment for firefighters</b>	Firefighters should wear full protective clothing including self contained breathing apparatus.
<b>Hazardous combustion products</b>	May include and are not limited to: Oxides of carbon. Fluoride gases.
<b>Explosion data</b>	
<b>Sensitivity to mechanical impact</b>	Not available
<b>Sensitivity to static discharge</b>	Not available

---

## 6. Accidental Release Measures

---

<b>Personal precautions</b>	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.
<b>Environmental precautions</b>	Prevent further leakage or spillage if safe to do so.
<b>Methods for containment</b>	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.
<b>Methods for cleaning up</b>	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

---

<b>Handling</b>	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.
<b>Storage</b>	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. Exposure Controls / Personal Protection

---

<b>Exposure limits</b>	
<b>Ingredient(s)</b>	<b>Exposure Limits</b>
1,1-Difluoroethane	<b>ACGIH-TLV</b> Not established <b>OSHA-PEL</b> Not established
<b>Engineering controls</b>	Use only under good ventilation conditions or with respiratory protection.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear safety glasses with side shields.

---

<b>Hand protection</b>	If there is constant skin contact, rubber gloves are recommended.
<b>Skin and body protection</b>	As required by employer code.
<b>Respiratory protection</b>	Where exposure guideline levels may be exceeded, use an approved NIOSH respirator.
<b>General hygiene considerations</b>	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

---

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

---

## 10. Stability and Reactivity

---

<b>Reactivity</b>	None known.
<b>Possibility of hazardous reactions</b>	Hazardous polymerization does not occur.
<b>Chemical stability</b>	Stable under recommended storage conditions.
<b>Conditions to avoid</b>	Aerosol containers are unstable at temperatures above 49°C (120.2°F).
<b>Incompatible materials</b>	Alkaline materials. Alkaline earth metals.
<b>Hazardous decomposition products</b>	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

<b>Eye</b>	Contact with liquid may cause frostbite.
------------	--

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

## 12. Ecological Information

<b>Ecotoxicity</b>	Not available
<b>Persistence / degradability</b>	Not available
<b>Bioaccumulation / accumulation</b>	Not available
<b>Mobility in environmental media</b>	Not available
<b>Environmental effects</b>	Not available
<b>Aquatic toxicity</b>	Not available
<b>Partition coefficient</b>	Not available
<b>Chemical fate information</b>	Not available
<b>Other adverse effects</b>	Not available

## 13. Disposal Considerations

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

## 14. Transport Information

### U.S. Department of Transportation (DOT)

#### Basic shipping requirements:

<b>Proper shipping name</b>	1,1-Difluoroethane
<b>Hazard class</b>	2.1
<b>UN number</b>	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

**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**

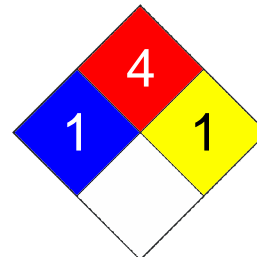
Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

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	
Severe	4
Serious	3
Moderate	2
Slight	1
Minimal	0

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.

**Issue date**

05-Apr-2013

**Effective date**

05-Apr-2013

**Expiry date**

05-Apr-2016

**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.