# Safety Data Sheet

**Dust-Off Compressed Gas Duster**

## Section 1. Identification

<table>
<thead>
<tr>
<th>Product Identifier</th>
<th>Dust-Off Compressed Gas Duster</th>
</tr>
</thead>
<tbody>
<tr>
<td>Synonyms</td>
<td>Professional 12 oz.; Jumbo 17 oz.; Classic and Plus; Dust-Off® Compressed Gas Duster</td>
</tr>
<tr>
<td>Manufacturer Stock Numbers</td>
<td>N/A</td>
</tr>
<tr>
<td>Recommended use</td>
<td>Dust Removal</td>
</tr>
<tr>
<td>Uses advised against</td>
<td>Use Only as Directed - Read label instructions carefully</td>
</tr>
</tbody>
</table>

**Manufacturer Contact Address**

Falcon Safety Products, Inc.
25 ImClone Drive
Branchburg, NJ, 08876
USA

<table>
<thead>
<tr>
<th>Phone</th>
<th>(908) 707-4900</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emergency Phone</td>
<td>(800) 498-7192</td>
</tr>
<tr>
<td>Fax</td>
<td>N/A</td>
</tr>
</tbody>
</table>

## Section 2. Hazards Identification

**Classification**

- FLAMMABLE GASES - Category 2
- GASES UNDER PRESSURE - Compressed gas

**Signal Word**

Warning

**Pictogram**

Contains gas under pressure; may explode if heated
Flammable gas

**Hazard Statements**

Eliminate all ignition sources if safe to do so.
Leaking gas fire: Do not extinguish, unless leak can be stopped safely.

**Precautionary Statements**

- Do not spray on an open flame or other ignition source.
- Keep away from heat.
Occupational exposure limits, if available, are listed in Section 8.

Storage
- Protect from sunlight. Store in a well-ventilated place.
- Store at temperatures not exceeding 120 degrees F/49 degrees C

Disposal
- N/A

General
- Keep out of reach of children

Ingredients of unknown toxicity
- 0%

Hazards not Otherwise Classified
- N/A

No Data Available

### Section 3. Ingredients

<table>
<thead>
<tr>
<th>CAS</th>
<th>Ingredient Name</th>
<th>Weight %</th>
</tr>
</thead>
<tbody>
<tr>
<td>75-37-6</td>
<td>Ethane, 1,1-difluoro-</td>
<td>100 %</td>
</tr>
</tbody>
</table>

### Section 4. First-Aid Measures

**General Advice**
- Never give anything by mouth to an unconscious person. When symptoms persist or in all cases of doubt, seek medical advice.

**Inhalation**
- Remove from exposure, lie down. Move to fresh air. Keep patient warm and at rest. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get immediate medical attention.

**Skin**
- Take off all contaminated clothing immediately. Flush area with lukewarm water. Do not use hot water. If frostbite has occurred, call a physician.

**Eye**
- Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Ingestion**
- Is not considered a potential route of exposure.

**Most important symptoms/effects, acute and delayed**
- Anaesthetic effects: light-headedness, irregular heartbeat with a strange sensation in the chest, heart thumping, apprehension, feeling of fainting, dizziness or weakness.

**Protection of First-aiders**
- If potential for exposure exists refer to Section 8 for specific personal protective equipment.

**Notes to Physician**
- Because of possible disturbances of cardiac rhythm catecholamine drugs, such as epinephrine, which may be used in situations of emergency life support, should be used with special caution.
Section 5. Fire Fighting Measures

Suitable Extinguishing Media
- Water spray, water fog, dry chemical, alcohol resistant foam, carbon dioxide (CO2)

Unsuitable Extinguishing Media
- No applicable data available.

Specific Hazards
- Flammable. This substance's fire decomposition by-products will include hydrofluoric acid and possibly carbonyl fluoride. Avoid contact with these materials, which are toxic and irritating. Evacuate personnel immediately in the event of a fire involving this substance. Vapors may form explosive mixtures with air. Vapors are heavier than air and may spread along floors. Vapors or gases may travel considerable distances to ignition source and flash back.

Special protective equipment for firefighters
- Use personal protective equipment. Wear neoprene gloves during cleaning up work after a fire. Exposure to decomposition products may be a hazard to health.

Further Information
- Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. Cool containers/tanks with water spray.

Section 6. Accidental Release Measures

NOTE:
- Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Safeguards (Personnel)
- Evacuate personnel to safe areas. Ventilate the area. Refer to protective measures listed in sections 7 and 8.

Spill Clean-up
- If this product is spilled and not recovered, or is recovered as a waste for treatment and disposal, the CERCLA Reportable Quantity is 100 lbs. (release of an Unlisted Hazardous Waste with the Characteristic of Ignitability). Evaporates. Ventilate area using forced ventilation, especially low or enclosed places where heavy vapors might collect.

Accidental Release Measures
- Wear self-contained breathing apparatus (SCBA).

Section 7. Handling and Storage

Handling (Personnel)
- Avoid breathing vapors or mist. Avoid contact with skin, eyes and clothing. Provide sufficient air exchange and/or exhaust in work rooms. For personal protection see section 8. Handle in accordance with good industrial hygiene and safety practice.

Handling (Physical Aspects)
- Vapors are heavier than air and may spread along floors. Vapors may form flammable mixture with air. The product should only be used in areas from which all naked lights and other sources of ignition have been excluded. Electrical equipment should be protected to the appropriate standard. No sparking tools should be used. Take measures to prevent the build up of electrostatic charge. Keep away from open flames, hot surfaces and sources of ignition. When using DO NOT SMOKE. Do not use in areas where vapors may accumulate such as paper shredders.

Dust Explosion class
- Not applicable

Storage
- Keep container tightly closed and in a dry, well-ventilated location. Store in original container. The product has an indefinite shelf life when stored properly.

Storage Period
- Recommended shelf life - 10 years provided product is stored in a dry location as directed.

Storage Temperature
- Do not expose to temperatures above 120 degrees F (49 degrees C) as overheating could cause can to burst. DO NOT leave in direct sunlight or enclosed vehicle.
## Section 8. Exposure Controls/Personal Protection

<table>
<thead>
<tr>
<th>Occupational Exposure Limits</th>
<th>Ingredient Name</th>
<th>ACGIH TLV</th>
<th>OSHA PEL</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethane, 1,1-difluoro-</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
</tbody>
</table>

### Personal Protective Equipment

**Engineering controls**

Ensure adequate ventilation, especially in confined areas. Use respiratory protection if needed.

**Eye/Face Protection**

Wear safety glasses with side shields. Direct contact with liquid may cause frostbite.

**Respiratory Protection**

For rescue use self-contained breathing apparatus. Vapors are heavier than air and can cause suffocation by reducing oxygen available for breathing.

**Skin and body protection**

As required by employer code. If there is risk of skin contact, wear protective clothing, gloves, etc. Direct contact with liquid can cause frostbite.

### General Hygiene Considerations

Handle in accordance with good industrial hygiene and safety practices. When using do not eat or drink. Wash hands and face before breaks and immediately after handling the product.
### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Gas</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Clear</td>
</tr>
<tr>
<td>Odor</td>
<td>slight, ether-like</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Water - Slightly</td>
</tr>
<tr>
<td>Partition coefficient Water/n-octanol</td>
<td>N/A</td>
</tr>
<tr>
<td>VOC%</td>
<td>N/A</td>
</tr>
<tr>
<td>Viscosity</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>0.91</td>
</tr>
<tr>
<td>Density lbs/Gal</td>
<td>0.9</td>
</tr>
<tr>
<td>Pounds per Cubic Foot</td>
<td>N/A</td>
</tr>
<tr>
<td>Flash Point</td>
<td>&lt;-58°F (&lt;-50° C)</td>
</tr>
<tr>
<td>FP Method</td>
<td>N/A</td>
</tr>
<tr>
<td>Ph</td>
<td>Neutral</td>
</tr>
<tr>
<td>Melting Point</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>-13 °F (-25 °C)</td>
</tr>
<tr>
<td>Boiling Range</td>
<td>N/A</td>
</tr>
<tr>
<td>LEL</td>
<td>3.9</td>
</tr>
<tr>
<td>UEL</td>
<td>16.9</td>
</tr>
<tr>
<td>Evaporation Rate</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Flammable</td>
</tr>
<tr>
<td>Decomposition Temperature</td>
<td>N/A</td>
</tr>
<tr>
<td>Auto-ignition Temperature</td>
<td>No applicable data available</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>5,960 KPa at 77F (25C)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>2.4 at 77F (25C) (Air=1)</td>
</tr>
</tbody>
</table>

### Section 10. Stability and Reactivity

- **Reactivity**: Stable under recommended storage conditions.
- **Chemical Stability**: The product is chemically stable under recommended storage conditions.
- **Conditions to Avoid**: Aerosol containers are unstable at temperatures above 120 degrees F/49 degrees C
- **Incompatible Materials**: Incompatible products include Alkali metals, Alkaline earth metals, powdered metals, powdered metal salts.
- **Hazardous Decomposition Products**: Decomposition products are hazardous. This material can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and possibly carbonyl fluoride.
**Section 11. Toxicological Information**

<table>
<thead>
<tr>
<th>Component Analysis - LC50</th>
<th>1,1-Difluoroethane - &gt; 64000 ppm rat</th>
</tr>
</thead>
<tbody>
<tr>
<td>Component analysis - Oral LD50</td>
<td>1,1-Difluoroethane - 1500 mg/kg rat</td>
</tr>
</tbody>
</table>

- **Effects of Acute Exposure - Eye**
  - Contact with liquid may cause frostbite

- **Effects of Acute Exposure - Skin**
  - Contact with liquid may cause frostbite

- **Effects of Acute Exposure - Inhalation**
  - Excessive intentional inhalation may cause respiratory tract irritation and central nervous system effect (headaches, dizziness). Vapors may cause dizziness or suffocation.

- **Effects of Acute Exposure - Ingestion**
  - Not a normal route of exposure

- **Sensitization**
  - Non-hazardous by WHMIS/OSHA criteria.

- **Carcinogenicity**
  - Not classifiable as a human carcinogen. Animal testing did not show carcinogenic effects. None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, or OSHA as a carcinogen.

- **Mutagenicity**
  - Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Tests on mammalian cell cultures showed mutagenic effects.

- **Reproductive Toxicity**
  - No toxicity to reproduction. Animal testing showed no reproductive toxicity.

- **Teratogenicity**
  - Animal testing showed no developmental toxicity.

- **Further Information**
  - Cardiac sensitization threshold limit: 405000 mg/m3

**Section 12. Ecological Information**

- **Aquatic Toxicity**
  - 1,1-Difluoroethane 96 h LC50: Fish 295.78 mg/l 96 h EC50: Algae 47.76 mg/l 48 h EC50: Daphnia (water flea) 146.7 mg/l

**Section 13. Disposal**

- **Waste Disposal Methods**
  - Comply with applicable Federal, State/Provincial and Local Regulations. May be a RCRA Hazardous waste due to the ignitability characteristic. Do not puncture or incinerate container.

- **Contaminated Packaging**
  - Not Available
### Section 14. Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>1030</th>
</tr>
</thead>
<tbody>
<tr>
<td>UN Proper Shipping Name</td>
<td>1,1-Difluoroethane</td>
</tr>
<tr>
<td>DOT Classification</td>
<td>2.1</td>
</tr>
<tr>
<td>Packing Group</td>
<td>N/A</td>
</tr>
<tr>
<td>Packaging Exceptions</td>
<td>Note: Falcon Safety Products has been granted a DOT special permit. A copy of DOT Special Permit SP-11516 can be obtained by calling Falcon Safety Products, Inc. at 908-707-4900.</td>
</tr>
</tbody>
</table>

#### Transportation of Dangerous Goods (TDG - Canada)

- **Proper Shipping name:** 1,1-Difluoroethane
- **Hazard Class:** 2.1
- **UN number:** 1030

#### IATA/ICAO (Air)

- **Proper Shipping Name:** 1,1-Difluoroethane
- **Hazard Class:** 2.1
- **UN Number:** 1030

- **Packaging Exceptions:** Limited quantity (containers up to 125mL)
- **Maximum Net Quantity Packaging Cargo Aircraft only:** 150 kg
- **Maximum Net Quantity packaging cargo only:** 150 kg

#### IMDG (Marine Transport)

- **Proper Shipping Name:** 1,1-DIFLUOROETHANE
- **Hazard Class:** 2.1
- **UN Number:** 1030

### Section 15. Regulatory Information

- **Canadian Federal Regulations:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS 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
- **TSCA:** On the inventory, or in compliance with the inventory.
- **SARA 313 Regulated Chemical(s):** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.
- **US Federal Regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.
- **NJ Right to Know Regulated Chemical(s):** Substances on the New Jersey Workplace Hazardous Substance List present at a concentration of 1% or more (0.1% for substances identified as carcinogens, mutagens or teratogens): 1,1-Difluoroethane.
- **California Prop. 65:** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.
- **Canada Domestic Substances List (DSL):** This product is listed on the DSL inventory list and complies with the inventory requirements administered by the governing country.
<table>
<thead>
<tr>
<th><strong>Section 16. Other Information</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Revision Date</strong></td>
</tr>
<tr>
<td><strong>Disclaimer</strong></td>
</tr>
<tr>
<td><strong>Prepared By</strong></td>
</tr>
</tbody>
</table>