Dust Destroyer Compressed Gas Duster

Safety Data Sheet


Date of issue: 04/18/2017  Revision date: 04/18/2017  Version: 1.0

SECTION 1: Identification

1.1. Product identifier

<table>
<thead>
<tr>
<th>Substance name</th>
<th>Product code</th>
</tr>
</thead>
</table>

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: Dust Removal

1.3. Details of the supplier of the safety data sheet

Falcon Safety Products, Inc.
25 ImClone Drive
Branchburg, NJ 08876 - USA
T (908) 707-4900

1.4. Emergency telephone number

Emergency number: (800) 498-7192

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GHS-US and GHS-CA classification
Flam. Aerosol Category 2
Press. Gas (Liquified Gas)

2.2. Label elements

GHS-US and GHS-CA labelling
Hazard pictograms (GHS-US/GHS-CA): 

Signal word (GHS-US/GHS-CA): Warning
Hazard statements (GHS-US/GHS-CA): Flammable aerosol. Contains gas under pressure; may explode if heated.
Precautionary statements (GHS-US/GHS-CA): Keep away from heat/sparks/open flames/hot surfaces. - No smoking. Do not spray on an open flame or other ignition source. Pressurized container: Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Store in a well-ventilated place.

2.3. Other hazards

Do not store in enclosed vehicle.

2.4. Unknown acute toxicity (GHS US/GHS CA)

Not applicable.

SECTION 3: Composition/information on ingredients

3.1. Substance

<table>
<thead>
<tr>
<th>Name</th>
<th>Product identifier</th>
<th>%</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1-Difluoroethane</td>
<td>(CAS No) 75-37-6</td>
<td>100</td>
</tr>
</tbody>
</table>

3.2. Mixture

Not applicable.

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures after inhalation: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

First-aid measures after skin contact: In case of contact, immediately flush skin with plenty of water. Remove contaminated clothing and shoes. Wash clothing before reuse. Call a physician if irritation develops and persists. May cause frostbite.
Dust Destroyer Compressed Gas Duster
Safety Data Sheet

First-aid measures after eye contact: In case of contact, immediately flush eyes with plenty of water. Remove contact lenses, if worn. If irritation persists, get medical attention.

First-aid measures after ingestion: If swallowed, do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Get medical advice/attention if you feel unwell.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries after inhalation: May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.

Symptoms/injuries after skin contact: May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.

Symptoms/injuries after eye contact: May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.

Symptoms/injuries after ingestion: Not a normal route of exposure.

4.3. Indication of any immediate medical attention and special treatment needed

Symptoms may not appear immediately. In case of accident or if you feel unwell, seek medical advice immediately (show the label or SDS where possible).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Water spray, water fog, dry chemical, alcohol resistant foam, carbon dioxide.

Unsuitable extinguishing media: None known.

5.2. Special hazards arising from the substance or mixture

Fire hazard: Flammable aerosol. Products of combustion may include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.

Explosion hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

5.3. Advice for firefighters

Firefighting instructions: DO NOT fight fire when fire reaches explosives. Evacuate area. Vapors are heavier than air and may travel considerable distance to an ignition source and flash back to source of vapors.

Protection during firefighting: Keep upwind of fire. Wear full fire fighting turnout gear (full Bunker gear) and respiratory protection (SCBA).

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

General measures: Use personal protection recommended in Section 8. Isolate the hazard area and deny entry to unnecessary and unprotected personnel. Eliminate sources of ignition.

6.2. Methods and material for containment and cleaning up

For containment: Ventilate the area thoroughly, especially low lying areas (basements, workpits etc).

Methods for cleaning up: Leave the product to evaporate. Provide ventilation.

6.3. Reference to other sections

See section 8 for further information on protective clothing and equipment and section 13 for advice on waste disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed: Hazardous waste due to potential risk of explosion. Pressurized container: Do not pierce or burn, even after use. Keep away from sources of ignition - No smoking.

Precautions for safe handling: Do not spray on an open flame or other ignition source. Avoid contact with skin and eyes. Avoid breathing dust/fume/gas/mist/vapors/spray. Do not swallow. Provide local exhaust or general room ventilation. When using do not eat, drink or smoke. Prevent the build-up of electrostatic charge. Use non-sparking tools.

Hygiene measures: Launder contaminated clothing before reuse. Wash hands before eating, drinking, or smoking.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures: Proper grounding procedures to avoid static electricity should be followed.

Storage conditions: Keep out of the reach of children. Keep container dry and in a well-ventilated place. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep in fireproof place. Store in original container. Do not store in enclosed vehicle.

7.3. Specific end use(s)

Not available.
SECTION 8: Exposure controls/personal protection

8.1. Control parameters

<table>
<thead>
<tr>
<th>Substance</th>
<th>ACGIH</th>
<th>OSHA</th>
<th>NIOSH</th>
<th>IDLH</th>
</tr>
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<tbody>
<tr>
<td>1,1-Difluoroethane (75-37-6)</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

**8.2. Exposure controls**

**Appropriate engineering controls**: Use ventilation adequate to keep exposures (airborne levels of dust, fume, vapor, etc.) below recommended exposure limits.

**Hand protection**: Wear suitable gloves.

**Eye protection**: Safety glasses with side shields.

**Skin and body protection**: Wear suitable protective clothing.

**Respiratory protection**: In case of insufficient ventilation, wear suitable respiratory equipment. Respirator selection must be based on known or anticipated exposure levels, the hazards of the product and the safe working limits of the selected respirator.

**Environmental exposure controls**: Maintain levels below Community environmental protection thresholds.

**Other information**: Do not eat, smoke or drink where material is handled, processed or stored. Wash hands carefully before eating or smoking. Handle according to established industrial hygiene and safety practices.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- **Physical state**: Gas
- **Appearance**: Clear
- **Color**: Colourless
- **Odor**: Slight, ether-like
- **Odor threshold**: No data available
- **pH**: Neutral
- **Melting point**: No data available
- **Freezing point**: No data available
- **Boiling point**: -13 °F (-25 °C)
- **Flash point**: < 58 °F (<14.4 °C)
- **Relative evaporation rate (butyl acetate=1)**: No data available
- **Flammability (solid, gas)**: Flammable
- **Explosion limits**: 3.9-16.9
- **Explosive properties**: No data available
- **Oxidizing properties**: No data available
- **Vapor pressure**: 5960 kPa at 77 °F (25 °C)
- **Relative density**: 0.91
- **Relative vapor density at 20 °C**: 2.4 at 77 °F (25 °C)
- **Specific gravity / density**: 0.9
- **Solubility**: Slightly
- **Partition coefficient: n-octanol/water**: No data available
- **Auto-ignition temperature**: No data available
- **Decomposition temperature**: No data available
- **Viscosity**: No data available
- **Viscosity, kinematic**: No data available
- **Viscosity, dynamic**: No data available

9.2. Other information

No additional information available.
SECTION 10: Stability and reactivity

10.1 Reactivity
No dangerous reaction known under conditions of normal use.

10.2 Chemical stability
Stable under normal storage conditions. Flammable aerosol. Contents under pressure. Container may explode if heated. Do not puncture. Do not burn.

10.3 Possibility of hazardous reactions
No dangerous reaction known under conditions of normal use.

10.4 Conditions to avoid
Heat. Incompatible materials. Sources of ignition. Do not expose to temperatures exceeding 50 °C/ 122 °F.

10.5 Incompatible materials
Alkali and alkaline earth metals. Powdered metals. Powdered metallic salts.

10.6 Hazardous decomposition products
May include, and are not limited to: oxides of carbon, hydrofluoric acid, carbonyl fluoride.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity : Not classified

**Dust Destroyer Compressed Gas Duster**

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<tbody>
<tr>
<td>LD50 oral rat</td>
<td>1500 mg/kg</td>
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<tr>
<td>LD50 dermal rabbit</td>
<td>No data available</td>
</tr>
<tr>
<td>LC50 inhalation rat</td>
<td>64000 ppm</td>
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</table>

Skin corrosion/irritation : Based on available data, the classification criteria are not met.

Serious eye damage/irritation : Based on available data, the classification criteria are not met.

Respiratory or skin sensitization : Based on available data, the classification criteria are not met.

Germ cell mutagenicity : Based on available data, the classification criteria are not met.

Carcinogenicity : Based on available data, the classification criteria are not met.

Reproductive toxicity : Based on available data, the classification criteria are not met.

Specific target organ toxicity (single exposure) : Based on available data, the classification criteria are not met.

Specific target organ toxicity (repeated exposure) : Based on available data, the classification criteria are not met.

Aspiration hazard : Based on available data, the classification criteria are not met.

Symptoms/injuries after inhalation : May cause respiratory tract irritation. May cause drowsiness, dizziness and central nervous system depression.

Symptoms/injuries after skin contact : May cause skin irritation. Symptoms may include redness, drying, defatting and cracking of the skin. May cause frostbite on contact with the liquid.

Symptoms/injuries after eye contact : May cause eye irritation. Symptoms may include discomfort or pain, excess blinking and tear production, with possible redness and swelling. May cause frostbite on contact with the liquid.

Symptoms/injuries after ingestion : Not a normal route of exposure.

SECTION 12: Ecological information

12.1 Toxicity
Ecology - general : May cause long-term adverse effects in the aquatic environment.

12.2 Persistence and degradability

**Dust Destroyer Compressed Gas Duster**

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<tbody>
<tr>
<td>Persistence and degradability</td>
<td>Not established.</td>
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12.3 Bioaccumulative potential

**Dust Destroyer Compressed Gas Duster**

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<tbody>
<tr>
<td>Bioaccumulative potential</td>
<td>Not established.</td>
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</tbody>
</table>

12.4 Mobility in soil
No additional information available.

12.5 Other adverse effects

Effect on the global warming : No known ecological damage caused by this product.
SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations: This material must be disposed of in accordance with all local, state, provincial, and federal regulations. The generation of waste should be avoided or minimized wherever possible. Container under pressure. Do not drill or burn even after use.

Additional information: Flammable vapors may accumulate in the container.

SECTION 14: Transport information

Department of Transportation (DOT)
In accordance with DOT

UN-No. (DOT) : UN1030
Proper Shipping Name (DOT) : 1,1-Difluoroethane
Transport hazard class(es) (DOT) : 2.1
Hazard labels (DOT) :

Packaging Exceptions: 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.

Transportation of Dangerous Goods (TDG)
In accordance with TDG

UN-No. (TDG) : UN1030
Proper Shipping Name (TDG) : 1,1-Difluoroethane
Class (TDG) : 2.1
Hazard labels (TDG) :

Packaging Exceptions: TDG Canada: 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.

Transport by sea
UN-No. (IMDG) : UN1030
Proper Shipping Name (IMDG) : 1,1-DIFLUOROETHANE (REFRIGERANT GAS R 152a)
Class (IMDG) : 2.1

Air transport
UN-No. (IATA) : UN1030
Proper Shipping Name (IATA) : 1,1-Difluoroethane
Class (IATA) : 2.1

Additional information
Other information: No supplementary information available.
Special transport precautions: Do not handle until all safety precautions have been read and understood.

SECTION 15: Regulatory information

15.1. Federal regulations

All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

1,1-Difluoroethane (75-37-6)
Listed on the Canadian DSL (Domestic Substances List)

15.2. US State regulations

Dust Destroyer Compressed Gas Duster
State or local regulations: This product does not contain a chemical known to the State of California to cause cancer.
Dust Destroyer Compressed Gas Duster
Safety Data Sheet

| Dust Destroyer Compressed Gas Duster | birth defects or other reproductive harm. |

**SECTION 16: Other information**

Date of issue : 04/18/2017
Revision date : 04/18/2017
Other information : None.

Mexico Classification:

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Blue = Health    Red = Flammability    Yellow = Reactivity    White = Special
Hazard Rating:  0 = minimal, 1 = slight, 2 = moderate, 3 = severe, 4 = extreme
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