


BLOWout Air Duster  
**SAFETY DATA SHEET**  
 SDS0093US  
 ACCORDING TO US CFR 1910.1200

**1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**

<b>1.1 Product identifier</b>	Product Name	BLOWout 10 oz.
	Trade Name	BLOW OUT-024
	Synonym(s)	1,1-difluorethane.
	Chemical Formula	C <sub>2</sub> H <sub>4</sub> F <sub>2</sub>
	CAS No.	75-37-6
	EINECS No.	200-866-1
<b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b>	Identified use(s)	Aerosol Duster.
	Uses advised against	None known.
<b>1.3 Details of the supplier of the Safety Data Sheet</b>	Company Identification	SDi 1345 Campus Parkway, Suite A18 Wall Township, NJ 07753 USA.
	Telephone	(732) 751 9266
	Fax	(732) 751 924
	E-mail	sales@sdfire.com
<b>1.4 Emergency telephone number</b>	Info Trac	1-800-535-5053 (24 hour(s))

**2. SECTION 2: HAZARDS IDENTIFICATION**

<b>2.1 Classification of the substance or mixture</b>	US CFR 1910.1200	Gases under pressure: Liquefied gas; Contains gas under pressure; may explode if heated.
<b>2.2 Label elements</b>	Product Name	BLOWout 10 oz.
	Hazard pictogram(s)	
	Signal word(s)	GHS04 Warning.
	Hazard statement(s)	H280: Contains gas under pressure; may explode if heated.
	Precautionary statement(s)	P410+P403: Protect from sunlight. Store in a well-ventilated place.
	Additional Information	Pressurized container: Do not pierce or burn, even after use. Do not expose to temperatures exceeding 122°F.
<b>2.3 Other hazards</b>		Contact with liquid may cause cold burns/frostbite. High concentrations may cause asphyxiant.
<b>2.4 Additional Information</b>		None.



**3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS**

Product as supplied: Aerosol.

**3.1 Substances**

Hazardous ingredient(s)	CAS No.	%W/W
1,1-difluoroethane	75-37-6	> 99

**3.2 Additional Information**

None.

**4. SECTION 4: FIRST AID MEASURES**



**4.1 Description of first aid measures**

Inhalation	If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. Keep patient warm. Apply artificial respiration if necessary. Obtain medical attention.
Skin Contact	Wash with plenty of soap and water. If frostbite, call a physician. Do not remove clothing if it sticks to the skin.
Eye Contact	Flush eyes with water for at least 15 minutes while holding eyelids open. If symptoms persist, obtain medical attention.
Ingestion	Unlikely route of exposure.

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

Skin Contact: Frostbite.  
Inhalation: High concentrations: Asphyxiation, Headache, dizziness, nausea and vomiting.

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

Treat symptomatically.

**5. SECTION 5: FIRE-FIGHTING MEASURES**

Pressurized container: May burst if heated.

**5.1 Extinguishing Media**

Suitable Extinguishing Media	Extinguish with carbon dioxide, dry chemical, foam or waterspray.
Unsuitable Extinguishing Media	None known.

**5.2 Special hazards arising from the substance or mixture**

Heating may cause pressure rise with risk of bursting. Decomposes in a fire giving off toxic fumes: Hydrogen fluoride, Carbon monoxide, Carbon dioxide.

**5.3 Advice for fire-fighters**

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. Keep fire exposed containers cool by spraying with water. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.



**6. SECTION 6: ACCIDENTAL RELEASE MEASURES**

The product is an aerosol. It is unlikely to present spillage or leakage hazard. In case of rupture, released content should be contained as any other solvent spill.

- 6.1 **Personal precautions, protective equipment and emergency procedures**      Ensure adequate ventilation. Stop leak if safe to do so. Wear protective gloves.
- 6.2 **Environmental precautions**      Do not release large quantities into the surface water or into drains.
- 6.3 **Methods and material for containment and cleaning up**      Collect mechanically and dispose of according to Section 13. Adsorb spillages onto sand, earth or any suitable adsorbent material. Transfer to a lidded container for disposal or recovery. Containers must not be punctured or destroyed by burning, even when empty.
- 6.4 **Reference to other sections**      See Also Section: 8, 13.





**7. SECTION 7: HANDLING AND STORAGE**

- 7.1 **Precautions for safe handling**      Keep away from sources of ignition.
- 7.2 **Conditions for safe storage, including any incompatibilities**      Protect from sunlight. Store in a well-ventilated place.:  
 Storage Temperature      Do not expose to temperatures exceeding 122°F.  
 Storage Life      Stable under normal conditions.  
 Incompatible materials      Acids, Alkalis and Strong oxidizing agents.

**8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**

- 8.1 **Control parameters**
- 8.1.1 **Occupational Exposure Limits**

SUBSTANCE	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m³)	STEL (ppm)	STEL (mg/m³)	Note
1,1-difluoroethane	75-37-6					None assigned

- 8.2 **Appropriate engineering controls**      Provide adequate ventilation. Local exhaust recommended. Do not use in confined spaces.
- 8.3 **Individual protection measures, such as personal protective equipment (PPE)**
  - Eye/face protection       If eye contact is likely: Wear protective eyewear (goggles, face shield, or safety glasses).
  - Skin protection (Hand protection/ Other)       Wear suitable gloves if prolonged skin contact is likely. Gloves: Neoprene, Leather.
  - Respiratory protection       No personal respiratory protective equipment normally required. In case of insufficient ventilation, wear suitable respiratory equipment.
  - Thermal hazards       Not applicable.

**9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES****9.1 Information on basic physical and chemical properties**

Appearance	Liquefied gas.
Color	Colorless.
Odor	Mild, Slight Ethereal.
Odor Threshold	Not determined.
pH	Not determined.
Melting Point/Freezing Point	-178.6°F
Initial boiling point and boiling range	-13°F
Flash Point	< 58°F
Evaporation rate	Not applicable.
Flammability (solid, gas)	Non-flammable.
Upper/lower flammability or explosive limits	4-19 Vol-%, 0.112-0.518 kg/m <sup>3</sup>
Vapor pressure	5100 hPa, 11700 hPa @ 122°F
Density	1004 kg/m <sup>3</sup> @ -13°F
Vapor density	2.3 @ 68°F
Relative density	1.0 @ -13°F
Solubility(ies)	Poorly water soluble product. (0.54 g/100 ml). Soluble in most organic solvents.
Partition coefficient: n-octanol/water	0.75 log P (Experimental value).
Ignition temperature	Not determined.
Auto-ignition temperature	851°F
Decomposition Temperature	Not determined.
Dynamic Viscosity	0.37 Pa•s @ -23.8°F
Kinematic Viscosity	Not determined.
Explosive properties	Not explosive. Contains gas under pressure; may explode if heated.
Oxidizing properties	Not oxidizing.
<b>9.2 Other information</b>	
Critical pressure	44960 hPa
Molecular weight	66.05 g/mol

**10. SECTION 10: STABILITY AND REACTIVITY**

<b>10.1 Reactivity</b>	Stable under normal conditions.
<b>10.2 Chemical stability</b>	Stable under normal conditions.
<b>10.3 Possibility of hazardous reactions</b>	No hazardous reactions known if used for its intended purpose.
<b>10.4 Conditions to avoid</b>	Heat and direct sunlight.
<b>10.5 Incompatible materials</b>	Acids, Alkalis and Strong oxidizing agents.
<b>10.6 Hazardous Decomposition Product(s)</b>	No hazardous decomposition products known.

**11. SECTION 11: TOXICOLOGICAL INFORMATION****11.1 Information on toxicological effects****11.1.1 Substances**

<b>Acute toxicity</b>	Low acute toxicity.
Inhalation	LC50 (rat) = 383000 ppm Effects and Symptoms: Asphyxiation, Headache, dizziness, nausea and vomiting.
<b>Skin corrosion/irritation</b>	Non-irritant.
<b>Serious eye damage/irritation</b>	Not classified.
<b>Respiratory or skin sensitization</b>	It is not a skin sensitizer.
<b>Germ cell mutagenicity</b>	There is no evidence of mutagenic potential.
<b>Carcinogenicity</b>	No evidence of carcinogenicity.
<b>Reproductive toxicity</b>	None anticipated.



Specialized Fire Products

## BLOWout Air Duster

	STOT-single exposure	None anticipated.
	STOT-repeated exposure	None anticipated.
	Aspiration hazard	Not classified.
11.2	Other information	None.

### 12. SECTION 12: ECOLOGICAL INFORMATION

12.1	Toxicity	Low toxicity to aquatic organisms.
12.2	Persistence and degradability	Readily biodegradable, non-persistent.
12.3	Bioaccumulative potential	The product has low potential for bioaccumulation.
12.4	Mobility in soil	Poorly water soluble product. The product is predicted to have low mobility in soil.
12.5	Other adverse effects	None.

### 13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1	Waste treatment methods	Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Non-emptied aerosol: Dispose of wastes in an approved waste disposal facility. Do NOT dispose of via domestic waste.
13.2	Additional Information	Disposal should be in accordance with local, state or national legislation. Refer to manufacturer/supplier for information on recovery/recycling.

### 14. SECTION 14: TRANSPORT INFORMATION

#### D.O.T. Classification / TDG Regulations

14.1	UN number	UN 1030
14.2	UN Proper Shipping Name	1,1-Difluoroethane, R152A Flammable.
	US DOT	1,1-Difluoroethane.
	Canada TDG	1,1-Difluoroethane.
	IATA	2.1
14.3	Transport hazard class(es)	None.
14.4	Packing Group	Not classified as a Marine Pollutant.
14.5	Environmental hazards	None.
14.6	Special precautions for user	None.
14.7	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
14.8	Additional Information	DOT-SP 11516: In accordance with this special permit, this product is not subject to labelling requirements unless offered for transportation by air. This product is not subject to placarding requirements. Outside packaging must be marked with proper shipping description and 'DOT-SP 11516'.
	DOT Packaging Exceptions	306
	DOT Packaging Non Bulk	304
	DOT Packaging Bulk	314; 315



15. SECTION 15: REGULATORY INFORMATION

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
  - 15.1.1 OSHA
    - Toxic and hazardous substances (29 CFR 1910; Subpart Z) Not listed.
    - National emission standards for hazardous air pollutants (40 CFR 61.01) Not listed.
  - 15.1.2 Title III Consolidated List of Lists
    - CAA 112(r) TQ = 10000 Listed: 1,1-difluoroethane (CAS No.: 75-37-6)
  - 15.1.3 OSPAR List of Chemicals for Priority Action Not listed.
  - 15.1.4 State Right to Know Lists Listed: 1,1-difluoroethane (CAS No.: 75-37-6)  
New Jersey, Pennsylvania, Massachusetts
  - 15.1.5 TSCA (Toxic Substance Control Act) Listed: 1,1-difluoroethane (CAS No.: 75-37-6)
  - 15.1.6 Proposition 65 (California) Not listed.
  - 15.1.7 CAA 602 - Ozone Depleting Substances (ODS) Not listed.

16. SECTION 16: OTHER INFORMATION

The following sections contain revisions or new statements: 1-16.

NFPA		HMIS	
Health	1	Health	1
Fire	4	Flammability	4
Instability	1	Physical hazards	1

LEGEND

- LTEL Long Term Exposure Limit
- STEL Short Term Exposure Limit
- DOT Department of Transportation
- TDG Transportation of Dangerous Goods
- IATA International Air Transport Association
- OSPAR Oslo and Paris Convention
- CAA Clean Air Act
- NFPA National Fire Protection Association
- HMIS Hazardous Material Identification System

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