



MATERIAL SAFETY DATA SHEET

1. Product and Company Identification

Product Number 700, 701 & 702
Product Name Mega Duster
Use Refrigerant; aerosol propellant
Effective Date March 6, 2009
Manufacturer/Packaging DISTRIBUTORS CHOICE CHEMICALS
6112790 Canada Inc.
Suite 333 - 6021 Yonge Street
Toronto, Ontario
M2M 3W2
Tel. (416) 703-8446 Fax. (416) 222-7511
Emergency Contact 1 (613) 996-6666 (24 hour emergency phone)

2. Composition / Information on Ingredients

CAS#	Chemical Name	Percentage by Weight	ACGIH TWA	Osha Pel	Osha Stel
75-37-6	1,1-Difluoroethane	60 - 100	1000 ppm	n/a	n/a

3. Hazards Identification

EMERGENCY OVERVIEW

Keep from reach of children. Do not puncture, incinerate, or place aerosol product containers in compactors. Containers of this material may be hazardous when emptied since containers retain product residues (vapour, liquid, and/or solid). All hazard precautions given must be observed. Do not flame cut, braze, or use welding torch. Intentional misuse by deliberately concentrating and inhaling this product may be harmful or fatal.

EFFECTS OF OVEREXPOSURE

Eye

May cause irritation, redness, tearing, blurred vision.

Skin

Contact with liquid from this product may cause frostbite. Prolonged or repeated contact can cause moderate irritation defatting, dermatitis.

Inhalation

Excessive inhalation of vapours can cause nasal and respiratory irritation, dizziness, weakness, fatigue, nausea, headache, possible unconsciousness and even asphyxiation. Possible cardiac arrhythmias at high concentrations.

Ingestion

This is not an anticipated route of entry.

Chronic

No information.

Primary Routes of Entry

Skin contact, inhalation, eye contact

4. First Aid Measures

FIRST AID PROCEDURES

Eye Contact

Immediately flush eyes with large amounts of water, lifting upper and lower eye lids occasionally. Obtain medical attention **immediately**.

Skin Contact

Flush thoroughly with water to warm skin. Treat for frostbite if necessary.

Inhalation

Move victim to fresh air. If breathing is difficult, administer oxygen. Give artificial respiration **only** if breathing has stopped. Keep person warm and quiet. Obtain medical attention **immediately**.

Ingestion

This is not an anticipated route of entry.



5. Fire Fighting Measures

Auto Ignition Temperature	N.D. (Pensky-Martens C.C.)
Extinguishing Media	CO ₂ , Dry chemical, Waterfog
Flashpoint	-50°C (-58 °F)
Explosive Limit (lower)	3.9%
Explosive Limit (upper)	16.9%
Fire and Explosive Hazards	Vapours are heavier than air and travel along the ground or may be moved by ventilation and ignited by ignition sources at locations distant from material handling point. For aerosol products: exposure to temperatures over 54°C (130°F) may cause containers to burst, releasing highly flammable gas.
Fire Fighting Procedures	Wear self-contained breathing apparatus with a full facepiece operated in pressure-demand or other positive pressure mode when fighting fires. Keep fire exposed containers cool with waterfog.

6. Accidental Release Measures

Spills, Leaks or Releases	Eliminate sources of ignition and ventilate area. Persons not properly equipped should be excluded from area. Stop spill at source if possible. Avoid inhalation of vapours. Avoid contact with liquid. This product consists of materials which are gases at room temperature. In the event of an accidental release, the contents of this product will evaporate. If unemptied aerosols are to be disposed of, do so in accordance with all local, provincial and federal regulations.
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7. Handling and Storage

Handling	No information.
Storage	Ideal storage temperature is 10-27°C (50-80°F). Do not expose sealed containers to temperatures above 54°C (130°F). Do not store in direct sunlight.

8. Exposure Controls / Personal Protection

Preventative Measures	Recommendations listed in this section indicate the type of equipment which will provide protection against over exposure to this product. Conditions of use, adequacy, of engineering or other control measures and actual exposures will dictate the need for specific protection devices at your workplace.
Engineering Controls	Local exhaust ventilation recommended.
PROTECTIVE EQUIPMENT	
Eye Protection	Safety glasses are recommended to protect against flying dirt and other objects displaced by air duster. Use chemical safety goggles when there is potential for eye contact.
Skin Protection	Not necessary under normal conditions. Wear insulated rubber gloves if there is anticipated exposure to liquid product.
Respiratory Protection	If workplace exposure limits of product or any component is exceeded, use a NIOSH/MSHA approved respirator. Consult your safety equipment supplier for recommendations.
Hygienic Practices	Wash hands before eating or smoking. Smoke in designated areas only. Remove and launder clothing if contaminated.



9. Physical & Chemical Properties

Boiling Range	-25 °C (-13 °F)
Odour	Slight ether-like odour
Appearance	Colourless gas
Solubility (water)	Negligible
Freeze Point	N.D.
Vapour Pressure	N.D.
Physical State	Liquid in can
Vapor density	Is heavier than air
Threshold	N.D.
Evaporation Rate	Is faster than Butyl Acetate
Specific gravity	.9006
pH @ 0.0%	N.A.
Viscosity	N.D.

(see Section 16 for abbreviation legend)

10. Chemical Stability & Reactivity Information

Conditions to Avoid	Heat, sparks, welding arcs, open flame static electricity or other sources of ignition.
Incompatibility	Alkali, alkaline earth metals.
Hazardous Polymerization	Will not occur under normal conditions.
Hazardous Decomposition	Hydrofluoric acid and possibly carbonyl fluoride. Carbon monoxide & carbon dioxide.
Stability	Stable under normal storage conditions.

11. Toxicological Information

Summary	No product or component toxicological information is available.
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12. Ecological Information

Ecological information	No information.
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13. Disposal Considerations

Disposal Method	No information.
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14. Transportation Information

TDG Name	1,1 - Difluoroethane
TDG Class/Division	2.1
Identification Number	UN 1950
Packing Group	Not applicable

This product is forbidden on passenger aircraft and passenger rail



15. Regulatory Information

CANADIAN REGULATIONS

Canadian WHMIS

This MSDS has been prepared in compliance with Controlled Products Regulations (CPR) except for the use of the 16 headings.

Canadian WHMIS Class

A: Compressed gas.

CEPA DSL

The substance in this product is in the Canadian Domestic Substance List.

U.S.A. FEDERAL REGULATIONS

OSHA

Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200)

CERCLA-SARA Hazard Category

No SARA Section 313 components exist in this product

U.S.A. STATE REGULATIONS

California Proposition 65

No Proposition 65 chemicals exist in this product at levels above 1ppm.

TSCA

This product is subject to export notification.

16. Other Information

HMIS RATINGS

Health 1

Flammability 4

Reactivity 1

VOC Content

0.0% by weight, 0 grams/litre total product, 0 grams/litre less water and exempt, 0.00 lbs/gal

LEGEND

N.A. Not Applicable

N.E. Not Established

N.D. Not Determined

DISCLAIMER

The information contained on this material safety data sheet (MSDS) has been checked and should be accurate. However, it is the responsibility of the user to comply with federal, provincial/state and local laws and regulations. The environmental information and hazardous materials identification system have been included in order to provide additional health hazard classification information. The ratings recommended are based upon the criteria supplied by the developers of these rating systems. Proper personal protective equipment varies widely with conditions of use and anticipated exposure. We recommend that a supervisor or other qualified person determine proper PPE for intended use.