

# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Product number** CP808RICMAR  
**Product name** BLOW CLEAN DUST REMOVER  
**Effective date** 18-Jun-2009  
**Company information** RICMAR INDUSTRIES  
889 N LARCH AVE  
ELMHURST, IL 60126 United States  
**Company phone** General Assistance 800-323-0779  
**Emergency telephone US** 1-866-836-8855  
**Emergency telephone outside US** 703-527-3887  
**Version #** 04  
**Supersedes date** 03-Jun-2008

## 2. Hazards Identification

**Emergency overview** CONTENTS UNDER PRESSURE. Aerosol.  
Prolonged exposure may cause chronic effects.

**Potential health effects**

**Eyes** Health injuries are not known or expected under normal use. Contact with liquefied gas may cause frostbite.

**Skin** Health injuries are not known or expected under normal use. Contact with liquefied gas may cause frostbite.

**Inhalation** Intentional misuse by concentrating and inhaling the product can be harmful or fatal.

**Ingestion** Exposure by ingestion of an aerosol is unlikely.

**Target organs** Central nervous system.

**Chronic effects** May cause central nervous system disorder (e.g., narcosis involving a loss of coordination, weakness, fatigue, mental confusion, and blurred vision) and/or damage. Cardiac irregularities

## 3. Composition / Information on Ingredients

Components	CAS #	Percent
1,1-Difluoroethane	75-37-6	> 90

## 4. First Aid Measures

**First aid procedures**

**Eye contact** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if irritation develops or persists.

**Skin contact** Immediately take off all contaminated clothing. Rinse skin with water.

**Inhalation** If symptoms develop move victim to fresh air. If symptoms persist, get medical attention.

**Ingestion** Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

## 5. Fire Fighting Measures

**Flammable properties** Vapor or gas may spread to distant ignition sources and flash back. Runoff to sewer may cause fire or explosion hazard.

**Extinguishing media**

**Suitable extinguishing media** Water. Water fog. Foam. Dry chemical powder. Carbon dioxide (CO2).

**Protection of firefighters****Protective equipment and precautions for firefighters**

In the event of fire and/or explosion do not breathe fumes. Wear full protective clothing, including helmet, self-contained positive pressure or pressure demand breathing apparatus, protective clothing and face mask. Containers should be cooled with water to prevent vapor pressure build up. For massive fire, use unmanned hose holders or monitor nozzles; if this is impossible, withdraw from area and let fire burn. Cool containers with flooding quantities of water until well after fire is out.

<b>6. Accidental Release Measures</b>
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**Methods for containment**

Eliminate all ignition sources (no smoking, flares, sparks, or flames in immediate area). Stop leak if you can do so without risk. Move the cylinder to a safe and open area if the leak is irreparable. Stop the flow of material, if this is without risk. Prevent entry into waterways, sewers, basements or confined areas.

**Methods for cleaning up**

Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal.

Small Spills Wipe up with absorbent material (e.g. cloth, fleece). Clean contaminated surface thoroughly. After removal flush contaminated area thoroughly with water.

<b>7. Handling and Storage</b>
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**Handling**

Pressurized container: Do not pierce or burn, even after use. Do not handle or store near an open flame, heat or other sources of ignition. Use only in area provided with appropriate exhaust ventilation. Do not use if spray button is missing or defective. Avoid prolonged exposure.

**Storage**

Level 1 Aerosol.  
Contents under pressure. Do not puncture, incinerate or crush. The pressure in sealed containers can increase under the influence of heat. Do not handle or store near an open flame, heat or other sources of ignition. Do not expose to heat or store at temperatures above 120°F/49°C as can may burst. Avoid exposure to long periods of sunlight. Keep out of the reach of children. Do not store, incinerate, or heat this material above 120 degrees Fahrenheit. Refrigeration recommended.

<b>8. Exposure Controls / Personal Protection</b>
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**Personal protective equipment****Eye / face protection**

Not normally needed.

**Skin protection**

No special protective equipment required.

**Respiratory protection**

No personal respiratory protective equipment normally required. If permissible levels are exceeded use NIOSH mechanical filter / organic vapor cartridge or an air-supplied respirator.

<b>9. Physical &amp; Chemical Properties</b>
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**Appearance**

Compressed liquefied gas.

**Boiling point**

-13 °F (-25 °C) estimated

**Color**

Colorless.

**Flammability (HOC)**

6.3 kJ/g estimated

**Flash back**

No

**Flash point**

-58 °F (-50 °C) Propellant

**Form**

Aerosol.

**Odor**

None.

**pH**

Not applicable

**Physical state**

Gas.

**Pressure**

60 - 70 psig @ 70F

**Solubility**

Partially

**Specific gravity**

0.9 estimated

<b>10. Chemical Stability &amp; Reactivity Information</b>
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**Conditions to avoid**

Heat, flames and sparks.

**Hazardous decomposition products**

No hazardous decomposition products are known.

### 11. Toxicological Information

**Sensitization** Not expected to be hazardous by OSHA criteria.  
**Teratogenicity** Not expected to be hazardous by OSHA criteria.

### 12. Ecological Information

**Ecotoxicity** This product has no known eco-toxicological effects.

### 13. Disposal Considerations

**Waste codes** D001: Waste Flammable material with a flash point <140 F  
**Disposal instructions** Contents under pressure. Do not puncture, incinerate or crush. Dispose of this material and its container at hazardous or special waste collection point. If discarded, this product is considered a RCRA ignitable waste, D001. Dispose in accordance with all applicable regulations.

### 14. Transport Information

#### Department of Transportation (DOT) Requirements

**Basic shipping requirements:**

**Proper shipping name** 1,1-Difluoroethane  
**Hazard class** 2.1  
**UN number** 1030  
**Additional information:**  
**Special provisions** DOT-SP 11516  
**Packaging exceptions** No label required when shipped domestically



#### IMDG

**Basic shipping requirements:**

**Proper shipping name** AEROSOLS  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Labels required** None



#### IATA

**Basic shipping requirements:**

**Proper shipping name** Aerosols, flammable  
**Hazard class** 2.1  
**UN number** 1950  
**Additional information:**  
**Packaging exceptions** LTD QTY  
**Labels required** 2.1



### 15. Regulatory Information

**US federal regulations** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.  
CERCLA/SARA Hazardous Substances - Not applicable.

#### Occupational Safety and Health Administration (OSHA)

**29 CFR 1910.1200 hazardous chemical** Yes

#### CERCLA (Superfund) reportable quantity

None

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories** Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - Yes  
 Pressure Hazard - Yes  
 Reactivity Hazard - No

**Section 302 extremely hazardous substance** No  
**Section 311 hazardous chemical** Yes

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
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)

<b>16. Other Information</b>
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**Further information**

HMIS® is a registered trade and service mark of the NPCA.

**HMIS® ratings**

Health: 1\*  
 Flammability: 2  
 Physical hazard: 0

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**MSDS sections updated**

Hazards Identification: Chronic effects  
 Physical & Chemical Properties: Fire Fighting Measures  
 Transport Information: Agency Name and Packaging Type/Transport Mode Selection  
 Regulatory Information: United States

## 15. Regulatory Information

<b>Canadian regulations</b>	This product has been classified in accordance with the hazard criteria of the CPR and the MSDS contains all the information required by the CPR.
<b>WHMIS status</b>	Controlled
<b>WHMIS classification</b>	A - Compressed Gas
<b>WHMIS labeling</b>	



### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	Yes
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

## 16. Other Information

**Disclaimer**

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**This data sheet contains changes from the previous version in section(s):**

Product and Company Identification: Product Uses  
Fire Fighting Measures: Hazardous combustion products  
Fire Fighting Measures: Protective equipment for firefighters  
Accidental Release Measures: Personal precautions  
Accidental Release Measures: Methods for cleaning up  
Handling and Storage: Storage  
Physical & Chemical Properties: Multiple Properties  
Disposal Considerations: Disposal instructions  
Disposal Considerations: Waste from residues / unused products  
Disposal Considerations: Contaminated packaging  
Transport Information: Product Shipping Name/Packing Group  
Regulatory Information: United States  
HazReg Data: North America