

# MATERIAL SAFETY DATA SHEET

## Section 1: Product & Company Identification

**Product Name:** Duster™ Aerosol Dust Removal System  
**Product Number (s):** 14085, 84085

Manufactured By: CRC Industries, Inc. (215) 674-4300  
885 Louis Drive, Warminster, PA 18974  
24-Hour Emergency Information: CHEMTREC (800) 424-9300

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## Section 2: Composition/Information on Ingredients

Component	CAS NUMBER	ACGIH TLV	OSHA PEL	OTHER LIMITS	%
1,1,1,2-Tetrafluoroethane	811-97-2	NE	NE	100 ppm	100

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## Section 3: Hazards Identification

### Emergency Overview

Appearance & Odor: Clear, colorless liquified gas with a faint ethereal odor.

Caution: Contents Under Pressure.

### Potential Health Effects:

Inhalation: Causes central nervous system effects, headaches, dizziness, drunkenness, irritation to upper respiratory tract, unconsciousness and irregular heartbeats.  
Eyes: Irritation  
Skin: Irritation  
Ingestion: NA

Carcinogenicity: OSHA: No IARC: No NTP: No  
Chronic Overexposure: Rapid heartbeats, depression of cardiac function.  
Medical Conditions Aggravated by Exposure: Risk to your health depends on the level and duration of exposure.

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## Section 4: First Aid Measures

Inhalation: Remove to fresh air. Give artificial respiration if necessary.  
Eyes: Flush with large amounts of water for 15 minutes.  
Skin: Remove contaminated clothing and wash area with soap and water.  
Ingestion: Call a physician. Do not induce vomiting.

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Section 5: Fire-Fighting Measures

Flashpoint: None Method: TCC LEL: ND UEL: ND  
Extinguishing Media: Use appropriate media for surrounding products.  
Hazardous Combustion Products: Thermal – Hydrogen fluoride, carbon monoxide and carbon dioxide  
Fire-fighting Instructions: Remove containers from fire area if possible. Use self-contained breathing apparatus for fire fighting. Aerosol cans may explode if heated above 120°F.

NFPA: Health: 1 Flammability: 0 Reactivity: 0  
HMIS: Health: 1 Flammability: 0 Reactivity: 0 PPE: B

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Section 6: Accidental Release Measures

Spill/Leak Procedures: Usually not a problem with aerosols. Area should be ventilated. Absorbent should be used to pick up excess material. All used and unused product should be disposed of in accordance with federal, state and local regulations.

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Section 7: Handling and Storage

Handling Procedures: Store in a cool, dry area. Aerosol cans must be maintained below 120°F to prevent cans from exploding.

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Section 8: Exposure Controls/Personal Protection

Engineering Controls: Adequate to prevent accumulation of vapors. Use mechanical means if necessary to maintain levels below the exposure limits. If working in a confined space, follow applicable OSHA regulations.

Respiratory: Use NIOSH/MSHA compliant respirators or self-contained breathing apparatus above exposure limits. Follow OSHA regulations 29 CFR 1910.134.

Protective Clothing/Equipment: Wear chemically protective gloves and safety glasses. Use a splash apron and boots if splashing occurs.

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Section 9: Physical & Chemical Properties

Physical State:	Liquid	Appearance & Odor:	Clear, colorless liquified gas w/ faint ethereal odor.
Specific Gravity:	1.21 @ 77 °F	Boiling Point:	-15.2 °F
Freezing Point:	-149.8 °F	Vapor Pressure:	70.9 PSIG @ 70 °F
Evaporation Rate:	Rapid	Vapor Density (air = 1)	3.52
pH:	NA	Solubility:	Slight in water

Volatile Organic Compounds:%: ND g/L: ND lbs./gal: ND

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Section 10: Stability and Reactivity

Stability: Stable Hazardous Polymerization: No  
Chemical Incompatibilities: Strong oxidizers.  
Materials to Avoid: Strong oxidizers, strong alkalies.  
Hazardous Decomposition Products: None

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Section 11: Toxicological Information

Long-term toxicological studies have not been conducted for this product. See Section 3 of this MSDS for acute symptoms of overexposure and carcinogenicity information.

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Section 12: Ecological Information

Ecotoxicity: No data available.  
Environmental Fate: No data available for biodegradation.

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Section 13: Disposal Considerations

Disposal: This material if discarded may be hazardous waste under U.S. EPA RCRA regulations. All disposal activities must comply with federal, state and local regulations. Contact your local or state environmental agency for specific rules. Do not dump into sewers, on the ground or into any body of water.

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Section 14: Transportation Information

Shipping Name: Consumer Commodity  
Hazard Class: ORM-D UN Number: NA Packing Group: NA  
Label: NA Placard: NA  
Special Provisions: NA

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Section 15: Regulatory Information

TSCA: All components are either listed under TSCA or are exempt.  
SARA Title III: Section 311/312: Acute, Pressure  
Section 313\*: None  
CERCLA/Superfund (RQ): NA  
Extremely Hazardous Substances: No  
California Prop 65: No

\* See section 2 for percentage

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Section 16: Additional Information

Prepared By: Michelle Milburn Date: December 1, 2004

Technical Information: (800) 521-3168 CRC #: 00282

This information is accurate to the best of CRC Industries' knowledge or obtained from sources believed by CRC to be accurate. Before using any product, read all warnings and directions on the label.

CAS: Chemical Abstract Service  
ppm: Parts per Million  
TCC: Tag Closed Cup  
LEL: Lower Explosive Limit  
UEL: Upper Explosive Limit  
PPE: Personal Protection Equipment  
COC: Cleveland Closed Cup

NA: Not Applicable  
ND: Not Determined  
NE: Not Established  
g/L: grams per Liter  
lbs./gal: pounds per gallon  
RQ: Reportable Quantity