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## MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) is provided as a courtesy in response to a customer request. When used as recommended or under ordinary conditions, it should not present a health and safety hazard. However, use or processing of the product not in accordance with the product's recommendations or not under ordinary conditions may affect the performance of the product and may

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For Chemical Emergency, Spill, Leak, Fire, Exposure, or Accidents Call :  
 CHEMTREC  
 1 (800) 424-9300  
*Day or Night*

### I. PRODUCT IDENTIFICATION

Product Name	Blaster 12.0 oz. Canned Air
Product Part Number	F8E412
Product UPC	7-22868-13215-9
Issue Date	May 23, 2000

### II. HAZARDOUS COMPONENTS OF GAS

Hazardous Description:  
 Refrigerant Gas, N.O.S. Non-Flammable Gas (UN 1078)  
 (For Shipping Purposes Only)

Hazard Rating	Health: 1	Fire: 0	Reactivity: 1
0 - Least	1 - Slight	2 - Moderate	3 - High
			4 - Extreme

Ingredient	CAS No.	%	Hazard
1,1,1,2-tetrafluoroethane	811-97-2	100	OSHA PEL NIF DuPont AEL 1000ppm Preliminary toxicity assessment by DuPont

### III. PHYSICAL DATA ON GAS

Boiling Point:	-16°C	pH:	7-8
Density:	1.202	% Volatile:	100
Solubility in Water:	0	% Solids:	0
Vapor Density (Air=1)	3.0	Evaporation Rate (H <sub>2</sub> O=1)	> 1
Appearance:	Clear water-white liquid with low odor.		

### IV. REACTIVITY DATA

Stability:	STABLE	Conditions to Avoid:	Contact with open flame, heat
Incompatibility (materials to avoid):	Reactive alkali metals, strong acids & bases.		
Hazardous Decomposition Products:	Hydrogen fluoride, carbon dioxide, and carbon monoxide.		
Hazardous Polymerization:	WILL NOT OCCUR		
Conditions to Avoid:	None		

### V. FIRE AND EXPLOSION HAZARD DATA

Flash Point: None TCC Method	Explosion Limits LEL: N/A UEL: N/A
Extinguishing Media: Water, foam, dry chemical, carbon dioxide.	
Special Fire Fighting Procedures: Fire fighters should wear self contained, positive-pressure breathing apparatus and avoid skin contact.	
Unusual Fire and Explosion Hazards: Aerosol cans may erupt with force at temperatures above 120° F.	

### VI. HEALTH HAZARD DATA

Physical Contact	Effects of Overexposure	Suggest First Aid	Precautionary Info
Eye	Liquid can cause slight, temporary irritation with slight temporary corneal injury. Vapors can irritate eyes.	Flush eyes for at least 15 (fifteen) minutes with clear water. If irritation persists, seek medical attention.	Avoid eye contact.
Skin	Prolonged or repeated contact with liquid can cause freezing of skin tissues, defatting, or dermatitis.	Wash with soap and water. For frostbite, seek immediate medical attention.	Avoid prolonged skin contact.
Inhalation	Major potential route of exposure. Minimal effects observed below 1000 ppm. Dizziness, drowsiness, and throat irritation possible at levels above 1000 ppm. Unconsciousness and death at levels above 10,000 ppm. Blood pressure depression, cardiac sensitization, and ventricular arrhythmia can result from exposure to near-anesthetic levels.	Remove to fresh air. If breathing has stopped, administer artificial respiration. Seek medical attention.	Avoid breathing of vapors. Use in well ventilated areas.

Ingestion	Single dose toxicity is low to moderate. If vomiting occurs the liquid can be aspirated into the lungs, which can cause chemical pneumonia and systemic effects. Human psychotropic, gastrointestinal, and central nervous system effects possible.	Adrenalin and other similar cardiac stimulants should NOT be used to treat effects of overexposure to this product.	Product is not intended to be taken internally.
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#### VII. EMPLOYEE PROTECTION

Respiratory Protection:	If levels exceed TLVs, increased ventilation or organize vapor mask required.
Ventilation:	Do not use in closed space. Ventilation required.
Hands:	Solvent resistant gloves such as Viton, Polyvinyl alcohol
Eyes:	Wear splash proof safety goggles or glasses.
Special Precautions:	Keep aerosol cans in cool place out of direct sunlight. Keep this and all chemicals out of the reach of children. This product for industrial use only.

#### VIII. ADDITIONAL PRECAUTIONARY INFO

1. Store in a cool place
2. Flammable, keep away from flame
3. Do not apply on food, food container or self
None of the ingredients in this product are listed on the OSHA, IARC, NTP list of possible carcinogenic, mutagenic, or teratogenic chemicals.

#### IX. SPILL OR LEAK PROCEDURES

Evacuate area. Ventilate area well and avoid breathing vapors. Vapor concentration will be highest along floor and in low lying areas. Pick up liquid on suitable absorbent and store in sealed containers.
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#### X. WASTE DISPOSAL METHODS

Material may be disposed of by a licensed reclaimer or incineration facility. Consult local, state, and federal disposal authorities for approved procedures.
Do not incinerate or destroy aerosol cans.

#### XI. OTHER INFORMATION

ADDITIONAL SHIPPING INFORMATION: The regulatory body which oversees air international shipments (IATA) has established a UN number for 1,1,1,2-Tetrafluoroethane UN3159. International shipments should be shipped under UN3159 designation rather than UN1078.
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