

MATERIAL SAFETY DATA SHEET

SECTION 1 — PRODUCT IDENTIFICATION

Product identifier: Freeze Spray Component Cooler

Product Number: 1550

Manufacturer's name and address: Refer to supplier

Supplier name and address:

ALBATROSS USA INC./EXPERT WORLDWIDE

36-41 36th Street 5439 San Fernando Road West Long Island City, New York Los Angeles, California

United States
United States
United States
90039

718-392-6272 818-543-5850

Emergency Telephone #: Chemtrec (Day or Night) 800-424-9300

(For Chemical Emergency: Spill, Leak, Fire, Exposure or Accident)

This MSDS complies with 29CFR 19190.1200 (Hazard Communication Standard) and WHMIS regulations.

IMPORTANT: Read this MSDS before handling and disposing of this product. Pass this information on to employees, customer, and users of this product.

SECTION 2 — COMPOSITION, INFORMATION ON INGREDIENTS

Hazardous Component(s)	CAS No.	OSHA PEL (TWA)	ACGIH TLV (TWA)	Other Limits Recommended	Percent By Weight
1,1,1,2 Tetrafluoroethane	811-97-2	NA	NA.	1000 ppm (AIHA)	100%

Contains no chemicals subject to the reporting requirement of SARA Section 313.

SECTION 3 — HAZARDS IDENTIFICATION

Emergency Overview: Clear colorless gas with faint ethereal odor. Contents under pressure. Prolonged exposure to sunlight or heat may cause bursting of can. Contact with liquid can cause frostbite.

Potential Health Effects:

Eye: Irritation due to frostbite Skin: Defatting and irritation

Inhalation: Overexposure can cause drowsiness and loss of concentration

Ingestion: Not a likely route of exposure since product is a gas

Carcinogenicity: IARC – No NTP – No OSHA – No **Chronic:** Prolonged overexposure may contribute to cardiac sensitization

SECTION 4 — FIRST AID MEASURES

First Aid Procedures:

If Inhaled: Move to fresh air. Give oxygen to exposed person, if necessary

If Swallowed: Not a likely route of exposure

If In Eyes: Flush thoroughly with water for at least 15 minutes

If on Skin: Wash affected area with soap and water

Note to Physician: N/A

SECTION 5 — FIRE FIGHTING MEASURES

Flash Point (°F) & Method: None Flammable Limits: Lower: N/A Upper: N/A

Extinguishing Media: Carbon dioxide, dry chemical, foam, water spray

Fire & Explosion Hazards: Aerosol cans are under pressure – exposure to temperatures above 120°F can cause bursting or "rocketing" of cans. Firefighters should use self-contained respiratory protection in buildings or confined spaces.

Hazardous Combustion Products: Halogens, carbonyl halides

Flammability Classification: (NFPA) Level 1 Aerosol

SECTION 6 — ACCIDENTAL RELEASE MEASURES

In Case of Spill or Accidental Release: Use absorbent material to soak up liquid. Place used absorbents into closed DOT-approved containers for disposal.

SECTION 7 — HANDLING AND STORAGE

Precautions for Handling and Storage: Shake well before using. Keep away from heat, sparks and open flames. Prolonged exposure to direct sunshine or storage above 120°F may cause can to burst. Do not puncture or incinerate can.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Respiratory Protection: Not required when used as directed.

Ventilation: General ventilation should be provided.

Protective Gloves: PVA or Neoprene gloves may be used **Eye Protection:** Safety glasses or goggles are recommended.

Other Protective Clothing or Equipment: Not required when used as directed

Work/Hygienic Practices: Wash hands thoroughly after use

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Appearance & Odor: Clear colorless gas with faint ethereal odor

Boiling Point (${}^{\circ}F$): -15 Specific Gravity ($H_2O=1$): 1.22

Vapor Pressure @ 70°F: 71 psi Melting Point (°F): -150

Vapor Density (Air =1): 3.5 Evaporation Rate (Butyl Aetate =1): N/A

Solubility in Water: Very slight pH: N/A

% Reportable VOC Content: 0% (Contains volatile compounds exempted from VOC regulations)

SECTION 10 — STABILITY AND REACTIVITY

Stability (Conditions to Avoid): Stable. Avoid open flames and high temperatures.

Incompatability (Specific Materials to Avoid): Chemically active metals (sodium, potassium, calcium, powdered

aluminium, magnesium, zinc)

Hazardous Decomposition Products: Halogens, carbonyl halides

Hazardous Polymerization: Will not occur

SECTION 11 — TOXICOLOGICAL INFORMATION

Material is low toxicity in concentrations up to 80,000 ppm

Inhalation: LC_{50} (rat) > 567,000 ppm

Eye Irritation: Mild to moderate (due to frostbite)

Skin Irritation: Moderate (due to frostbite)

SECTION 12 — ECOLOGICAL INFORMATION

Limited data available Minimal biodegradability

SECTION 13 — DISPOSAL CONSIDERATIONS

Always use up product according to label directions before disposal.

Offer empty container for recycling where facilities exist. If recycling is not available, wrap empty container in newspaper and discard in trash. DO NOT PUNCTURE OR INCINERATE CONTAINER.

SECTION 14 — TRANSPORT INFORMATION

Domestic International

Shipping Name: Consumer Commodity 1,1,1,2-Tetrafluoroethane

Hazard Class:ORM-D2.2UN Number:noneUN3159Packing Group:nonenone

Hazard Label: ORM-D Nonflammable Gas

SECTION 15 — REGULATORY INFORMATION

OSHA: This product is considered hazardous based on the criteria listed in the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

TSCA: All chemical components are listed in the TSCA inventory.

NJ Right to Know: In addition to the hazardous components listed in section 2, this product contains the following components in a quantity sufficient to require identification:

No other components

SECTION 16 — OTHER IFNORMATION

Prepared by: Albatross USA Inc. **Telephone number:** 718-392-6272 **Preparation Date:** May 1, 1998 **Revision Date:** June 8, 2004

NOTICE:

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief, accurate and reliable as of the date compiled. However, no representation, warranty or guarantee is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information nor do we offer warranty against patent infringement.