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MATERIAL SAFETY DATA SHEET

Rev. 01/02/97

The materials listed in this Data Sheet are classified in accordance with the definitions set forth in 29CFR Part 1910.1

I PRODUCT NAME: SUPER FRIENDLY AIRIT
SUPER FRIENDLY FREEZE-IT

CONTROL
3117
3118

CHEMICAL FAMILY: HFC

HMIS DESIGNATION: HEALTH...1, FLAMMABILITY...0, REACTIVITY...1

II COMPONENTS 1% OR GREATER

Contains carcinogenic compounds 0.1% or greater ☐ Yes ☒ No

CHEMICAL	CAS. NO.	%	NTP/AARC/OSHA Carcinogen List	TLV	Exposure Limits DUPONT	PEL
1,1,1,2 - Tetrafluoroethane	811-97-2	100	NO	N/A	1000 ppm	N/A

III PERTINENT PHYSICAL DATA:

Boiling Point: -15.7° F @ 736mm
Vapor Density: 3.18 @ 77° F (Air = 1)
Appearance/Form: Clear liquefied gas

Vapor Pressure: 98 mm Hg at 77° F.
Specific Gravity: 1.21 (Water = 1)
Color/Odor: Colorless, Slight ethereal odor

Evaporating Rate: <1 (Butyl Acetate = 1)
Solubility in water: 0.15% by volume @ 77° F

IV FIRE AND EXPLOSION DATA:

Flammability Classification: Non-Flammable

Extinguishing Media: Non-Flammable

Fire and Explosion Hazards: Pressurized aerosol containers may vent, rupture or explode and add to flying and falling debris.

V HEALTH HAZARD DATA:

Principal Health Hazards - Routes of Entry: Inhalation: Vapor is heavier than air and can cause suffocation by reducing oxygen available for breathing. Eyes: Contact with liquid may cause severe tissue damage due to frostbite. Ingestion: No known toxic effects. Skin: Contact with liquid may cause frostbite.

Effects of overexposure: Inhalation: Breathing high concentrations of vapor can cause light-headedness, giddiness, shortness of breath and may lead to narcosis, cardiac irregularities, unconsciousness or death. Eyes: Liquid contact may cause frostbite. Ingestion: Although oral toxicity is low, ingestion is to be avoided. Skin: Liquid contact may cause frostbite. Irritation and reddening may occur due to defatting.

Toxicity Data: 1,1,1,2 - Tetrafluoroethane, Tals ALC 667,000 ppm/4 hrs.

Emergency and First Aid Procedures: Inhalation: Remove to fresh air and call a physician. If not breathing, give artificial respiration, preferably mouth to mouth. If breathing is difficult, give oxygen. Do not give epinephrine or similar drugs. Eyes: Immediately flush with water for at least 15 minutes; Seek medical attention. Ingestion: No specific intervention is indicated as the compound is not likely to be ingested. However, consult with a physician as necessary. Do not induce vomiting as the hazard of aspirating the material into the lungs is a greater hazard than allowing it to pass through the intestinal tract. Skin: Treat for frostbite. If irritation occurs or persists, seek medical attention. Note to physicians: Because of the possible risk of eliciting cardiac dysrhythmias, catecholamine drugs, such as epinephrine, should be used only as a last resort in life threatening emergencies.

VI REACTIVITY:

Stability: ☐ Unstable, ☒ StableHazardous Polymerization: ☐ may occur, ☒ will not occur.

Hazardous Decomposition Products: This product can be decomposed by high temperatures (open flames, glowing metal surfaces, etc.) forming hydrofluoric acid and possible carbonyl fluoride.

Incompatibility (Materials to avoid): Alkali and alkaline earth metals, powdered Al, Zn, Ba, or Mg.

VII SPILL AND LEAK PROCEDURES:

Ventilate area. Remove open flames and other sources of ignition. Collect spilled product with absorbent material and place in closed steel drums for proper disposal.

Waste Disposal: Comply with all federal, state and local regulations. Do not puncture or incinerate aerosol cans.

Contains chemicals listed on the TSCA inventory: Yes

VIII SAFE HANDLING AND USE INFORMATION:

Respiratory Protection: N/A

Ventilation: Use in well ventilated areas.

Protective Gloves: ☒ Yes ☐ No Eye Protection: ☒ Yes ☐ No (Glasses ☐ Goggles ☐ Aprons or Lab Coats:Rubber Apron: ☒ Not applicable.

IX SPECIAL PRECAUTIONS:

Do not spray on skin. Liquid contact may cause frostbite.

Do not handle until the manufactures safety precautions have been read and understood.

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CONTROL COMPANY • DRAWER 58307 • HOUSTON, TEXAS 77258 • USA
CONTROL COMPANY • 308 WEST EDGEWOOD • FRIENDSWOOD, TEXAS 77546 • USA
TELEPHONE 281 482-1714 • FAX 281 482-9448 • E-MAIL info@control3.com

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