

RITE OFF

**MATERIAL SAFETY DATA SHEET**

Complies with OSHA Hazard Communication Standard 29 CFR 1910.1200

**SECTION 1: CHEMICAL PRODUCT AND COMPANY IDENTIFICATION**

**Product:** GENERATION 2000® AIR BLAST II

**Product Code:** E1021

**Company Address:** Rite-Off, Inc.  
105 Park Avenue  
Seaford Industrial Park  
Seaford, DE 19973

**24 Hour Emergency Telephone:** CHEM-TEL (800) 255-3924

**Phone Number for Information:** (302) 628-2100 Mon - Fri, 8:30 am - 4:30 pm EST

**SECTION 2: COMPOSITION, INFORMATION ON INGREDIENTS**

| Hazardous Component       | CAS#     | OSHA PEL<br>(TWA) | ACGIH TLV<br>(TWA) | Other Limits<br>Recommended | Percent<br>by Weight |
|---------------------------|----------|-------------------|--------------------|-----------------------------|----------------------|
| 1,1,1,2-Tetrafluoroethane | 811-97-2 | N/A               | N/A                | 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 (°F):** - 15

**Vapor Pressure @ 70°F:** 71 psi

**Vapor Density (Air=1):** 3.5

**Solubility in Water:** very slight

**% Reportable VOC Content:** 0 % [Contains volatile compounds exempted from VOC regulations]

**Specific Gravity (H<sub>2</sub>O=1):** 1.22

**Melting Point (°F):** - 150

**Evaporation Rate (Butyl Acetate =1):** N/A

**pH:** N/A

## SECTION 10: STABILITY AND REACTIVITY

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

**Incompatibility: (Specific Materials to Avoid)** Chemically active metals (sodium, potassium, calcium, powdered aluminum, magnesium, zinc)

**Hazardous Decomposition Products:** Halogens, carbonyl halides

**Hazardous Polymerization:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

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

**Inhalation:** LC<sub>50</sub> (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-D              | 2.2                       |
| UN number:     | none               | UN3159                    |
| Packing Group: | none               | none                      |
| 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 INFORMATION

**HMIS Ratings:** (0=minimal, 1=slight, 2=moderate, 3=serious, 4=severe)

**Health - 1**

**Flammability - 0**

**Reactivity - 1**

**Last Revision Date:** 6/24/96

**Supersedes Date:** 7/28/95