

**MATERIAL SAFETY DATA SHEET**

Complies with OSHA Hazard Communication Standard 20 CFR 1910.1200

**SECTION 1: CHEMICAL PRODUCT AND COMPANY INFORMATION****Product:** Generation 2000<sup>®</sup> Smart Duster**Product Code:** 51024

**Company Address:** Rite-Off, Inc. – Advanced Aerosol Acquisition, LLC  
 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 (TWA) | ACGIH TLV (TWA) | Other Limits Recommended | Percent Weight |
|---------------------------|----------|----------------|-----------------|--------------------------|----------------|
| Dimethyl Ether            | 115-10-6 | 1000ppm        | 1000ppm         | N/A                      | 30-70%         |
| 1,1,1,2-Tetrafluoroethane | 811-97-2 | N/A            | N/A             | 1000ppm (AIHA)           | 30-70%         |

Contains no chemicals subject to the reporting requirements 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:**

**Inhalation:** Move to fresh air. Give oxygen to exposed person, if necessary.

**Ingestion:** Not a likely route of exposure.

**Eyes:** Flush thoroughly with water for at least 15 minutes.

**Skin:** Wash affected area with soap and water.

**Note to Physician:** N/A

**SECTION 5: FIRE FIGHTING MEASURES**

---

**Flash Point (°F) & Method:** N/A                      **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 a 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.

**SECTION 8: EXPOSURE CONTROLS, PERSONAL PROTECTION (Continued)**

---

**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

**Specific Gravity (H<sub>2</sub>O=1):** 0.765 g/cc

**Vapor pressure @ 70°F:** 71 psi

**Melting Point (°F):** -150

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

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

**Solubility in Water:** very slight

**pH:** N/A

**% Reportable VOC Content:** 70% [Contains volatile compounds from VOC regulations]

**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>30</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**

---

**Shipping Name:** Domestic  
Consumer Commodity

**Hazard Class:** ORM-D

**UN Number:** none

**Packing Group:** none

**Hazard Label:** ORM-D

**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 efficient 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 - 2      Reactivity - 1**

**Disclaimer:** The information presented herein has been compiled from sources considered to be dependable and is accurate to the best knowledge of Rite-Off, Inc. - Advanced Aerosol Acquisition, LLC. However, Rite-Off, Inc. - Advanced Aerosol Acquisition, LLC makes no warranty either expressed or implied regarding the accuracy of such data or the results to be obtained from the use thereof. Rite-Off, Inc. - Advanced Aerosol Acquisition, LLC assumes no responsibility for injury to recipient or third party or for any damage to any property and recipient assumes all such risks.