

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® VERSI-CLEAN**Product Code:** 5687**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**

<b>Hazardous Component</b>	<b>CAS#</b>	<b>OSHA PEL (TWA)</b>	<b>ACGIH TLV (TWA)</b>	<b>Other Limits Recommended</b>	<b>Percent Weight</b>
*1,1-Dichloro-1-fluoroethane	1717-00-6	N/A	N/A	500 ppm (AIHA)	< 50 %
Carbon Dioxide	124-38-9	5000 ppm	5000 ppm	30,000 ppm (STEL)	

\*This chemical is subject to the reporting requirement of SARA Section 313.

**SECTION 3: HAZARDS IDENTIFICATION****Emergency Overview:** Clear, colorless liquid with mild ethereal odor. Contents under pressure. Prolonged exposure to sunlight or heat may cause bursting of can. Avoid prolonged breathing of vapors or contact with skin.**Potential Health Effects:****Eye:** Temporary irritation, redness, blurred vision

**Skin:** Prolonged or repeated contact can cause irritation and dermatitis

**Inhalation:** Overexposure can cause irritation of respiratory tract and central nervous system depression

**Ingestion:** Nausea, diarrhea

**Carcinogenicity:** IARC - No NTP - No OSHA - No

## **SECTION 4: FIRST AID MEASURES**

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

**If Swallowed:** Do NOT induce vomiting. Contact physician, hospital or poison control center.

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

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

## **SECTION 5: FIRE FIGHTING MEASURES**

**Flash Point (°F):** None    **Flammable Limits - Lower:** N/A    **Upper:** N/A

**Extinguishing Media:** Water fog

**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:** Carbon monoxide, carbon dioxide, hydrogen chloride and possible traces of phosgene

**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 liquid with mild ethereal odor.

**Boiling Point (°F):** 69.8

**Specific Gravity (H<sub>2</sub>O=1):** 1.4

**Vapor Pressure @ 70°F:** 10 psia

**Melting Point (°F):** N/A

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

**Evaporation Rate (Butyl Acetate =1):** >1

**Solubility in Water:** slight

**pH:** N/A

**% Reportable VOC Content:** 0%

## SECTION 10: STABILITY AND REACTIVITY

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

**Incompatibility: (Specific Materials to Avoid)** Strong oxidizing agents and active metals

**Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, hydrogen chloride, phosgene

**Hazardous Polymerization:** Will not occur

## SECTION 11: TOXICOLOGICAL INFORMATION

Information is based on available data on product components. Product as a whole has not been evaluated.

**Oral:** LD<sub>50</sub> (rat) > 5000 mg/kg

**Dermal:** LD<sub>50</sub> (rabbit) > 2000 mg/kg

**Inhalation:** LC<sub>50</sub> (rat) = 62,000 ppm

**Eye Irritation:** moderate but temporary

**Skin Irritation:** mild

## **SECTION 12: ECOLOGICAL INFORMATION**

No data available

## **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**

	<b>Domestic</b>	<b>International</b>
Shipping name:	Consumer Commodity	Consumer Commodity
Hazard Class:	ORM-D	2.2
UN number:	none	UN1950
Packing Group:	none	none
Hazard Label:	ORM-D	class 2 -Non-Flammabale 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:

Perfluorocarbon compounds (CAS # 86508-42-1)

## **SECTION 16: OTHER INFORMATION**

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

**Health - 1 Flammability - 1 Reactivity - 0**

**Last Revision Date:** 10/22/96

**Supersedes Date:** 6/25/96