

# MATERIAL SAFETY DATA SHEET

## Enviro-Safe™ Arctic Air 3 oz

### SECTION 1 – IDENTIFICATION

**Company:**

Enviro-Safe Refrigerants, Inc.  
400 Margaret  
Pekin IL 61554  
309-346-1110

Product Name: Enviro-Safe Arctic Air 3 oz  
Proper Shipping Name: Consumer Commodity, ORM-D

**CHEMTREC – TOLL FREE 24 HOUR EMERGENCY TELEPHONE NUMBER  
1-800-424-9300**

### SECTION 2 – PHYSICAL DESCRIPTION AND/OR PROPERTIES

Appearance/Odor:	Clear, Colorless; odor added	Physical State:	Gas
Odor Threshold:	N/A	Specific Gravity:	0.540
Coeff. Water/Oil Dist.:	<1	Evaporation Rate:	Rapid
Freezing Point:	-267°F	Boiling Point:	-30.4°F
Vapor Density: (est.)	1.76	pH:	N/A
Vapor Pressure:	70 @ 70°F		

### SECTION 3 – FIRE OR EXPLOSION HAZARD

Auto Ignition Temperature: 1585°F

Flashpoint: Not Available Lower Flammable Limit (LEL): 1.9%

Upper Flammable Limit (UEL): 8.5%

Extinguish Media: If possible, stop flow of gas. Use water to cool fire-exposed tanks, surroundings and to protect personnel working on shut off. Water spray, dry powder, or carbon dioxide can be directed at flame area to reduce fire intensity. Do not extinguish flames unless leak can be stopped.

Hazardous Combustion Products: Normal combustion forms carbon monoxide.

Sensitivity to Static Discharge: Vapor may ignite if exposed to static discharge.

Explosion Data: Sensitivity to impact. Mixture is not sensitive.

Fire and Explosion Hazard: Flammable vapor may form if allowed to mix with air. Accumulation of gas is an ignition hazard. Vapors are heavier than air and may travel to an ignition source.

### SECTION 4 – INGREDIENTS

<u>Hazardous Ingredients</u>	<u>Cas Number</u>	<u>%</u>	<u>P.E.L.</u>	<u>ACGIH TLV UNITS</u>
Distillates, Hydro-treated heavy paraffinic	64742547	0-15%		
Proprietary		0-5%		
Alkanes		0-80%		

### SECTION 5 – REACTIVITY DATA

Chemical Stability: This material is chemically stable under normal temperatures.

Conditions To Avoid: Avoid sparks, open flame or any source of ignition.

Incompatible Materials: Avoid contact with strong oxidizing agents such as chlorine, permanganates and dichromates.

Decomposition Products: This product may produce carbon monoxide with a deficiency of oxygen.

Hazardous Polymerization: Will not occur.

Polymerization To Avoid: Keep separate from oxidizing agents.

## **SECTION 6 – HEALTH HAZARD**

As with most flammable products, hydrocarbons demand basic common sense during use.

**Inhaled/Asphyxiant:** This product may cause irritation of the respiratory tract. May also cause headaches or dizziness at moderate exposures. Heavy exposure may cause anemia and irregular heart rhythm, respiratory arrest and death at elevated exposures.

**Ingestion:** Not likely to occur.

**Eye Contact:** Irritating if the liquid gets into eyes, with a possible hazard from freezing due to rapid evaporation. May cause irritation if overexposed.

**Skin Contact:** Exposure to rapidly expanding gas or vaporizing liquid may cause frost damage to tissue. May cause irritation and inflammation if overexposed.

**Chronic:** Skin irritation from long term or repeated skin exposure may cause development of dermatitis if overexposed.

## **SECTION 7 - FIRST AID**

**Inhaled:** In emergency situations, use proper respiratory protection and immediately remove the victim to fresh air. Administer artificial respiration if breathing has stopped. Administer oxygen. Seek medical attention promptly in serious cases of overexposure.

**Eyes:** Flush eyes with tepid water, lifting upper and lower eyelids for 15 minutes. Seek medical advice immediately.

**Skin:** Avoid skin contact with the liquid. Prolong contact may be irritation to skin. Wash with soap and water. Remove contaminated clothing.

**Ingestion:** Unlikely to be a problem, this should not occur.

## **SECTION 8 - SAFE HANDLING**

**Spills:** Shut off ignition source and source of leak. Evacuate all non-essential personnel from the area. If possible, ventilate the area. Use water spray to disperse vapors. Isolate and ventilate area until gas has dispersed. If the incident is significant seek assistance from local fire, police and other relevant authorities.

**Waste Disposal Method:** Dispose of product in accordance with local, county, state and federal regulations.

**Storage, Handling, Shipping:** Store in cool, well-ventilated area. Store away from heat, spark, flame and/or static discharge. DO NOT store above 120° F. Keep container tightly closed during transport.

**Other Precautions:** Empty containers may contain flammable or combustible vapors. Do not reuse without adequate precautions.

## **SECTION 9 -PERSONAL PROTECTION**

**Engineering Controls:** Use only in a well ventilated area! Ensure there is good ventilation. If additional ventilation is needed use auxiliary ventilation equipment ensuring that all systems are well grounded and spark proof.

**Eyes:** Wear safety chemical glasses with side shields, goggles or face shield. Do NOT wear contact lenses.

**Gloves:** Neoprene, nitrile, viton, pvc gloves. DO NOT use natural rubber gloves.

**Respiratory Protection:** Use NIOSH/MSHA approved respirator protective equipment when needed. For fire fighting use SCBA breathing apparatus.

## **SECTION 10 -PREPARATION**

Enviro-Safe Refrigerants, Inc., 400 Margaret, Pekin, IL 61554

Telephone: 309-346-1110

December 2, 2004  
Revised August 16, 2011

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