# Enviro-Safe Air Enhancer Direct Inject

## 1 PRODUCT AND COMPANY IDENTIFICATION

**Product Identifier:** Enviro-Safe Air Enhancer Direct Inject
**SDS Number:** 2000DI
**Revision Date:** 10/9/2024
**Version:** 3.5
**Product Description:** A/C Performance Booster

**Supplier Details:**
Enviro-Safe Refrigerants, Inc.
400 Hanna Dr.
Pekin, IL 61554

**Phone:** 309-346-1110
**Fax:** 309-346-1237
**Email:** info@es-refrigerants.com
**Internet:** www.es-refrigerants.com
**Emergency:** CHEMTREC 1-800-424-9300

## 2 HAZARDS IDENTIFICATION

### Classification of Substance

**GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):**
No GHS Classifications Indicated

### GHS Label Elements, Including Precautionary Statements

**GHS Signal Word:**

**GHS Hazard Pictograms:**
No GHS pictograms indicated for this product

**GHS Hazard Statements:**
No GHS hazards statements indicated

**GHS Precautionary Statements:**
No GHS precautionary statements indicated

### Hazards not Otherwise Classified (HNOC) or not Covered by GHS

**Other Hazards**
Contact with the product may cause cold burns or frostbite.

**Unknown Acute Toxicity (GHS-US)**
No data available

## 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients

| CAS# | % | Chemical Name |
|---|---|---|
| 64742-54-7 | | Distillates, petroleum, hydrotreated heavy paraffinic |

## 4 FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air and keep at rest in a position comforable for breathing. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing air to give mouth to mouth resuscitation. Maintain an open airway. Get medical attention if symptoms occur.

**Skin Contact:** No specific first aid measures are required. As a precaution, rinse with plenty of soap and water. Obtain medical attention if irritation develops.

**Eye Contact:** Immediately flush eyes with plenty of water occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 20 minutes. Get medical attention.

**Ingestion:** Wash out mouth with water. If material has been swallowed and the exposed person is conscious, give small quantities of water to drink. Stop if the exposed person feels sick as vomiting may be dangerous. Do no induce vomiting unless direct to do so by medical personnel. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Never give anything by mouth to an unconscious person. Get medical attention if symptoms occur.

**4.2 Symptoms & Effects**

**To Physician:** Treat symptomatically. Contact poison specialist if product has been ingested.

**Specific Treatment:** No specific treatment.

**4.3 Symptoms & Effects**

**Protection of First Aiders:** No action should be taken involving any personal risk or without suitable training. It may be dangerous to the person providing air to give mouth-to-mouth resuscitation.

**Note to Doctor:** Aspiration during swallowing or vomiting may severly damage the lungs. If evacuation of stomach contents is necessary, use method least likely to cause aspiration.

## 5 FIRE FIGHTING MEASURES

**5.1. Extinguishing Media**

**Suitable Extinguishing Media:** CO2, dry chemical or foam. Water can be used to cool and protect product.

**Unsuitable Extinguishing Media:** Do not use a heavy water stream. Use of heavy stream of water may spread fire.

**5.2. Special Hazards Arising from the Substance or Mixture**

When heated, hazardous gases may be released including: sulfur dioxide. A solid stream of water will spread the burning material. Material creates a special hazard because it floats on water. This material is harmful to aquatic life. Any fire water contaminated with this material must be contained and prevented from being discharged to any waterway, sewer or drain.

**5.3. Advice for Firefighters**

Fire Equipment Information: Fire-fighters should wear appropriate protective equipment and self contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

## 6 ACCIDENTAL RELEASE MEASURES

**6.1. Personal Precautions, Protective Equipment and Emergency Procedures**

**General Measures:** No health affects expected from the cleanup of this material if contact can be avoided. Follow personal protection equipment recommendations found in Section 8 of this SDS.

**6.2. For Non-emergency Personnel**

**Protective Equipment:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform authorities if the product has caused environmental pollution. Water Polluting Material may be harmful to the environment if released in large quantities.

**6.3. Methods and Material for Containment and Cleaning Up**

**Spill Control Measures:** Prevent the spread of any spill to minimize harm to human health and the environment if safe to do so. Wear complete and proper personal protective equipment following the recommendation of Section 8 at a minimum. Dike with suitable absorbent material like granulated clay. Dispose of according to Federal, State, Local or Provincial regulations. Used fluid should be disposed of at a recycling center.

**Methods for Cleaning Up:** Stop leak if without risk. Move containers from spill area. Approach release from upwing. Prevent entry into sewers, water courses, basements or confined areas. Wash spillage's with non-combustible, absorbent material e.g. sand earth vermiculite or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via licensed waste disposal contractor. Contaminated absorbent material may pose the same threat hazard as the spilled product.

## 7 HANDLING AND STORAGE

**Handling Precautions:**

7.1. Precautions for Safe Handling

Put on appropriate personal protective equipment (see Section 8). Do not ingest. Avoid contact with eyes, skin and clothing. Avoid breathing vapor or mist. Avoid release to the environment. Keep in the original container or an approved alternative made from a compatible material, keep lid tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Storage Requirements:**

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Required Conditions: Odorous and toxic fumes may form from the decomposition of this product if stored at temperatures in excess of 113°F (45°C) for extended periods of time or if heat sources in excess of 250°F (121°C) are used. Store away from incompatible materials. See Section 10 for incompatible materials.

7.3. Specific End Use(s): A/C performace booster

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## 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Material should be handled in enclosed vessels and equipment, in which case general room ventilation should be sufficient. Local exhaust ventilation should be used at points where dust, mist, vapors or gases can escape into the room air. No special requirements under ordinary conditions of use and with adequate ventilation.

**Personal Protective Equipment:** Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.
Material for Protective Clothing: Chemically resistant materials and fabrics.
Hand Protection: Wear chemically resistant protective gloves.
Eye Protection: Chemical safety goggles.
Skin and Body Protection: Wear suitable protective clothing.
Repiratory Protection: Use a NIOSH-approved respirator or self-contained breathing apparatus whenever exposure may exceed established Occupational Exposure Limits.

Environment Exposure Controls: General room ventilation should be satisfactory. Local exhause ventilation may be necessary if misting is generated.
Hygiene Measures: Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminated. Discard contaminated footwear that cannot be cleaned.

## 9 PHYSICAL AND CHEMICAL PROPERTIES

| | | | |
|---|---|---|---|
| **Appearance:** | Colorless to yellow | | |
| **Physical State:** | Liquid | **Odor:** | No data available |
| **Odor Threshold:** | No data available | **Solubility:** | Soluble in hydrocarbons; insoluble in water |
| **Specific Gravity or Density:** | 0.86g/cm3 (at 15 °C) | **Freezing or Melting Point:** | No data available |
| **Viscosity:** | No data available | **Flash Point:** | > 192 °C (378 °F) |
| **Boiling Point:** | 207- 750 °C (405-13.83 °F) | **Vapor Density:** | No data available |
| **Partition Coefficient:** | No data available | **Bulk Density:** | (Change to Relative Density) 0.8585kg/l @ 15 °C *59 °F) (Typical) |
| **Vapor Pressure:** | <0.01mmHg @ 37.8 °C (100 °F) | **Autoignition Temperature:** | No data available |
| **Potentia Hydrogenii:** | No data available | **UFL / LFL:** | No data available |
| **Evaporation Rate:** | No data available | | |
| **Decompression Temperature:** | No data available | | |

## 10 STABILITY AND REACTIVITY

**Reactivity:** No data available.
**Chemical Stability:** Stable under normal circumstances.
**Conditions to AvoIdentification:** Temperature above the hgih flash point of this combustible material in combination with sparks, open flames, or other sources of ignition.
**Materials to AvoIdentification:** Strong oxidizing agents.
**Hazardous Decomposition:** Carbon monoxide, smoke, sulfur oxides, aldehydes, and other petroleum decomposition products in the case of imcomplete combustion. Oxides of nitrogen, phosphorus, calcium, copper, magnesium, sodium, and hydrogen sulphide may also be present.
**Hazardous Polymerization:** Hazardous polymerization will not occur

## 11 TOXICOLOGICAL INFORMATION

### 11.1 Toxicological Effects

**Ingestion Toxicity:** No hazard with normal usage.
**Skin Contact:** This material is likely to be slightly iritating to skin based on animal data.
**Inhalation Toxicity:** Non-hazardous under respiratory sensitization category
**Eye Contact:** The material is likely to be irritating to eyes based on animal data.

### 11.2 Inhalation Toxicity Data

**Sensitizer:** No data available to indicate product or components may be a skin sensitizer.
**Mutagenicity:** No data available to indicate or any components present at greater than 0.1% is mutagenic or genotoxic.
**Carcinogenicity:** Not expected to cause cancer.
**Reproductive Toxicity:** No data available if components greater than 0.1% may cause birth defects.

## 12 ECOLOGICAL INFORMATION

**12.1 Aquatic Toxicity**
**Persistence and degradability:** No data available
**Bioaccumulative potential: Bioconcentration may occur.** No data available.
**Mobility in Soil:** No data available
**Results of PBT and vPvB assessment:** Not determined
**Other adverse effects:** No data available

## 13 DISPOSAL CONSIDERATIONS

**13.1. Waste Treatment Methods**
**Waste Disposal Recommendations:** Dispose of waste material in accordance with all local, regional, national, and international regulations.
**Ecology - Waste Materials:** Avoid release to the environment.

## 14 TRANSPORT INFORMATION

**14.1. In Accordance with DOT**
Not regulated for transport
**14.2. In Accordance with IMDG**
Not regulated for transport
**14.3. In Accordance with IATA**
Not regulated for transport

## 15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes
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[--%] Distillates, petroleum, hydrotreated heavy paraffinic (64742-54-7) NJHS, TSCA, TSCAACTV
This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend
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NJHS = NJ Right-to-Know Hazardous Substances
TSCA = Toxic Substances Control Act
TSCAACTV = TSCA Active Chemicals

## 16 OTHER INFORMATION

Disclaimer: Although reasonable care has been taken in the preparation of this document, we extend no warranties and make no representations as to the accuracy or completeness of the information contained herein, and assume no responsibility regarding the suitability of this information for the user's intended purposes or for the consequences of its use. Each individual should make a determination as to the suitability of the information for their particular purpose(s).

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