

Enviro-Safe Vacuum Pump Oil

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Enviro-Safe Vacuum Pump Oil
SDS Number: 4040 & 4045
Revision Date: 10/9/2024
Version: 3.5
Product Description: Vacuum pump oil

Supplier Details: Enviro-Safe Refrigerants, Inc.
 400 Hanna Drive
 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

3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Ingredients

CAS#	%	Chemical Name
64742-54-7		Mineral Oil, Petroleum Distillates, Hydrotreated (mild) Heavy Paraffinic
68037-01-4		1-Decene, homopolymer, hydrogenated
151006-62-1		1-Dodecene, trimer, hydrogenated
-40-7		Proprietary

4 FIRST AID MEASURES

Inhalation: Remove from further exposure. For those providing assistance, avoid exposure to yourself or others. Use adequate respiratory protection. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical assistance. If breathing has stopped assist ventilation with a mechanical device or use mouth-to-mouth resuscitation.

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Skin Contact: Was with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops get medical attention.
Eye Contact: Flush thoroughly with water. If irritation occurs, get medical assistance.
Ingestion: First aid is normally not required. Seek medical attention if discomfort occurs.

5 FIRE FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

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

Fire Hazard: Not considered flammable but may burn at high temperatures.

Explosion Hazard: Product is not explosive.

Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters

Precautionary Measures Fire: Exercise caution when fighting any chemical fire.

Firefighting Instructions: Use water spray or fog for cooling exposed containers.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

Other Information: Refer to Section 9 for flammability properties.

6 ACCIDENTAL RELEASE MEASURES

Spill Management -

Land Spill: Stop leak if you can do so without risk. Recover by pumping or with suitable absorbent.

Water Spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Warn other shipping. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

Water spill and land spill recommendations are based on the most likely spill scenario for this material; however, geographic conditions, wind, temperature, (and in the case of a water spill) wave and current direction and speed may greatly influence the appropriate action to be taken. For this reason, local experts should be consulted. Note: Local regulations may prescribe or limit action to be taken.

7 HANDLING AND STORAGE

Handling Precautions: Prevent small spills and leakage to avoid slip hazard.
 Static accumulator: This material is a static accumulator.

Storage Requirements: Do not store in open or unlabeled containers.

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Control measures to consider: No special requirements under ordinary conditions of use and with adequate ventilation.

Personal Protective Equipment: 1-Decene, homopolymer, hydrogenated cas#:(68037-01-4)

Personal protective equipment

Eye/face protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching gloves outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

Body Protection: impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure: Do not let product enter drains.

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Proprietary cas#:(-40-7)

1-Decene, homopolymer, hydrogenated cas#:(68037-01-4)

Proprietary cas#:(-40-7)

USA ACGIH ACGIH TWA (mg/m3): 5 MG/M3 (TLV)

USA ACGIH ACGIH STEL (mg/m3): 10mg/m3

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear colorless to pale yellow	Odor:	Characterisitic
Physical State:	Liquid	Solubility:	No data available
Odor Threshold:	No data available	Freezing or Melting Point:	No data available
Specific Gravity or Density:	No data available	Flash Point:	216 °C (421 °F)
Viscosity:	46+/-10 % at 40 °C (104 °F)	Vapor Density:	No data available
Boiling Point:	No data available	Autoignition Temperature:	No data available
Partition Coefficient:	No data available	UFL / LFL:	No data available
Vapor Pressure:	No data available		
Potentia Hydrogenii:	No data available		
Evaporation Rate:	No data available		
Decompression Temperature:	No data available		

10 STABILITY AND REACTIVITY

Chemical Stability:	Product is stable under normal condiitons.
Conditions to AvoIdentification:	Excessive heat. High energy souces of ignition.
Materials to AvoIdentification:	Strong oxidizing agents.
Hazardous Decomposition:	Material does not decompose at ambient temperatures.
Hazardous Polymerization:	Hazardous polymerization will not occur.

11 TOXICOLOGICAL INFORMATION

1-Decene, homopolymer, hydrogenated cas#:(68037-01-4)

Information on toxicological effects

Acute toxicity: no data available

Inhalation: no data available

Dermal: no data available

Skin corrosion/irritation: no data available

Serious eye damage/eye irritation: no data available

Respiratory or skin sensitisation: no data available

Germ cell mutagenicity: no data available

Carcinogenicity:

IARC: No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

ACGIH: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

NTP: No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

OSHA: No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

Reproductive toxicity: no data available

Specific target organ toxicity - single exposure: no data available

Specific target organ toxicity - repeated exposure: no data available

Aspiration hazard: no data available

Additional Information: RTECS: Not available

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12 ECOLOGICAL INFORMATION

1-Decene, homopolymer, hydrogenated cas#:(68037-01-4)

Information on ecological effects

Toxicity: no data available

Persistence and degradability: no data available

Bioaccumulative potential: no data available

Mobility in soil: no data available

Results of PBT and vPvB assessment PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

Other adverse effects: no data available

Proprietary cas#:(-40-7)

Ecology - General -

LC50 Fish 1: > 5 g/l (LL50)

Persistence and Degradability: Inherently biodegradable.

Bioaccumulative Potential: The potential for bioaccumulation seems negligible based on data from other similar material and the biodegradability. It is unlikely to breakdown or remain in the air, but rather become absorbed to the soil and sediments and thus not be available to biota.

Mobility in Soil: Low solubility and floats and is expected to migrate from the water to the land. Expected to partition to sediment and wastewater solids.

Other Adverse Effects: No additional information available.

13 DISPOSAL CONSIDERATIONS

1-Decene, homopolymer, hydrogenated cas#:(68037-01-4)

Waste treatment methods

Product: Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging: Dispose of as unused product.

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

USA: No special warning labels are required under OSHA 29CFR 1910.1200. OSHA hazard warning are not applicable for this product; therefore, no OSHA warnings would appear on the label. No EPA classification code.

15 REGULATORY INFORMATION

[%] RQ (CAS#) Substance - Reg Codes

[--%] Mineral Oil, Petroleum Distillates, Hydrotreated (mild) Heavy Paraffinic (64742-54-7) NJHS, TSCA, TSCAACTV

[--%] 1-Decene, homopolymer, hydrogenated (68037-01-4) TSCA, TSCAACTV

[--%] 1-Dodecene, trimer, hydrogenated (151006-62-1) TSCA, TSCAACTV

[--%] Proprietary (-40-7)

This product does not contain chemicals known to the State of California to cause cancer, birth defects, or other reproductive harm.

Regulatory Code Legend

NJHS = NJ Right-to-Know Hazardous Substances

TSCA = Toxic Substances Control Act

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TSCAACTV = TSCA Active Chemicals

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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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