Enviro-Safe Mineral Oil - GM Approved

1 PRODUCT AND COMPANY IDENTIFICATION

Product Identifier: Enviro-Safe Mineral Oil - GM Approved
SDS Number: 3573
Revision Date: 10/9/2024
Version: 1.5

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

Phone: 309-346-1110
Fax: 309-346-1237
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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
8042-47-5		Mineral oil

4 FIRST AID MEASURES

Inhalation: When symptoms occur: go into open air and ventialte suspected area. If you feel unwell, seek medical advice.
Skin Contact: Remove contaminated clothing. Gently wash with plenty of soap and water followed by rinsing with water for at least 15 minutes. Call a POISON CENTER or doctor/physician if you feel unwell. Wash contaminated clothing before reuse.
Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
Ingestion: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting.

4.1. Description of First Aid Measures

First-aid Measures General: Never give anything by mouth to an unconsious person. If you feel unwell, seek medical advice.

4.2. Most Important Symptoms and Effects, Both Acute and Delayed

Symptoms/Injuries: May cause slight irritation to eyes, repiratory tract, and/or skin.
Symptoms/Injuries After Inhalation: Inhalation of vapors may cause respiratory irritation.
Symptoms/Injuries After Skin Contact: May cause mild skin irritation.
Symptoms/Injuries After Eye Contact: May cause minor eye irritation.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal

and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals. synthetic base oils: Not expected to cause signigicant health effects under conditions of normals use, based on laboratory studies with the same or similar materials. not mutagenic or genotoxic. Not sensitizing in test animals and humans.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed

If medical advice is needed, have product container or label at hand.

5 FIRE FIGHTING MEASURES

5.1. Extinguishing Media

Suitable Extinguishing Media: Dry chemical powder, alcohol-resistant foam, carbon dioxide (CO_2).

Unsuitable Extingushing Media: Do not use a heavy 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 will burn at high temperatures.

Explosion Hazard: Heat may build pressure, rupturing closed containers, spreading fire and increasing risk of burns and injuries.

Reactivity: Reacts with strong oxidants causing fire and explosion hazard

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. Fight fire from safe distance and protected location.

Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection. Use self-contaminated breathing apparatus when fighting fire in an enclosed area.

Other Information: Do not allow run-off form fire fighting to enter drains or water courses.

6 ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray). Keep away from heat, sparks, open flames, hot surfaces, and other ignition sources. No smoking.

6.1.1. For Non-emergency Personnel

Protective Equipment: Use appropriate personal protection equipment (PPE).

Emergency Procedures: Stop leak if safe to do so. Eliminate ignition sources. Evacuate unnecessary personnel.

6.1.2. For Emergency Responders

Protective Equipment: Equip clean up crew with proper protection.

Emergency Procedures: Stop Leak if safe to do so. Eliminate ignition sources. Ventilate area.

6.2. Environmental Precautions

Do not allow to enter drains or water courses. Avoid release to the environment. Contact competent authorities after a spill.

6.3. Methods and Material for Containment and Cleaning Up

For Containment -

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.

Note: 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.

Methods for Cleaning Up: Use only non-sparking tools. Ventilate area. Collect absorbed material and place into a sealed, labeled container fro proper disposal. Do not take up in combustible material such as: saw dust or cellulosic material.

6.4. Reference to Other Sections

See Heading 8. Exposure controls and personal protection. For further information refer to section 13.

7 HANDLING AND STORAGE

Handling Precautions:

7.1. Precautions for Safe Handling

Additional Hazards When Processed: Container remains hazardous when empty. Continue to observe all precations.

Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work. Wash contaminated clothing before reuse.

Storage Requirements:

7.2. Conditions for Safe Storage, Including Any Incompatibilities

Technical Measures: Ensure all national/local regulations are observed.

Storage Conditions: Store in a dry, cool and well-ventilated place. Store away form other materials. Keep container tightly closed. Store in properly labelled containers.

Incompatible Products: Strong acids, strong bases, strong oxidizers.

Prohibitions on Mixed Storage: Keep away from (strong) bases.

7.3. Specific End Use(s): Lubricant, Compressor Lubricant, Refrigeration Lubricant

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls: Appropriate Engineering Controls: Ensure all national/local regulations are observed. Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Provide exhaust ventilation or other engineering controls to keep the airbourne concentrations of vapor or mists below the applicable workplace exposure limited indicated above. All electrical equipment should comply with the National Electric Code.

Personal Protective Equipment: HMIS PP, C | Safety Glasses, Gloves, Apron
Safety glasses. Gloves. Protective clothing.
Hand Protection: Wear protective gloves. Gloves should be selected based on published literature and glove manufacturer data. Glove suitability and breakthrough time will differ depending on the specific use conditions. Contact the glove manufacturer for specific advide on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves.
Eye Protection: Chemical goggles or safety glasses.
Skin and Body Protection: WEAR suitable protective clothing.
Repiratory Protection: If engineering controls do not maintain airorne contaminat concentrations at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use, and maintenance must be in accordance with regulatory requirements and NIOSH standards. For high airorne concentrations, use and approved supplied-air respirators with an escape bottle may be appropriate when oxygen levels are inadequate, gas/vapor warning properties are poor, or if air purifying filter capacity/rating may be exceeded.

Control Parameters -

USA ACGIH	ACGIH TWA (mg/m3): 5 mg/m3 (TLV)
USA ACGIH	STEL (mg/m3): 10 mg/m3

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Clear, colorless to pale yellow		
Physical State:	Liquid	**Odor:**	Characteristic
Odor Threshold:	No data available	**Solubility:**	Not soluble in water.
Specific Gravity or Density:	(Delete spec grav) 0.96 - 0.992 at 20 ° (68 °F)	**Freezing or Melting Point:**	- 27 °C or below (-16.60 °F)
Viscosity:	95 cSt	**Flash Point:**	> 230 °C Flash Point ASTM D 92 (open cup typical) (446.00 °F)
Boiling Point:	> 200 C (392.00 °F)	**Vapor Density:**	No data available
Partition Coefficient:	No data available	**Autoignition Temperature:**	No data available
Vapor Pressure:	< .0.13kPa (0.1 mmHg) at 20 °C (68 °F)	**UFL / LFL:**	No data available
Potentia Hydrogenii:	No data available		
Evaporation Rate:	No data available		
Decompression Temperature:	No data available		

10 STABILITY AND REACTIVITY

Reactivity: Reacts with stron oxidants causing fire and explosion hazard
Chemical Stability: Stable under recommended handling and storage conditions (see section 7).
Conditions to AvoIdentification: Sparks, heat, open flame and other sources of ignition. Incompatible materials.
Materials to AvoIdentification: Strong acids, strong bases, strong oxidizers.
Hazardous Decomposition: Material does not decompose at ambient temperatures. At high temperatures, it may produce smoke, fume, hydorcarbons, carbon oxides, and aldehydes.
Hazardous Polymerization: Hazardous polymerization will not occur.

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11 TOXICOLOGICAL INFORMATION

Information on Toxicological Effects
Acute Toxicity: Not classified
Ester Oil
LD50 Oral Rat: > 2000 mg/kg
LD50 Dermal Rat: > 2000 mg/kg
LD50 Dermal Rabbit: > 2000 mg/kg
LC 50 Inhalation Rat: > 5 mg/l/4h

Skin Corrosion/Irritation: Not classified. Negligible irritation to skin at ambient temperatures. Based on test data for structurally similar materials.
Serious Eye Damage/Irritation: Not classified. May cause mild, short-lasting discomfort to eyes. Based on test data for structurally similar materials.
Respiratory or Skin Sensitization: Not classifed
Carcinogenicity: Not classified (Not carcinogenic in animal studies. Representative material passes IP-346M Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition an dminimal granuloma formation. Not sensitizing in test animals. Synthetic base oils: Not expected to cause significant health effects under cnoditions of normal use, based on laboratory studies with the same or similar materials. Not mutagenic or genotoxic. Not sensitizing in test animals and humans).

Reproductive Toxicity: Not classified
Specific Target Organ Toxicity (Single Exposure): Not classified
Specific Target Organ Toxicity (Repeated Exposure): Not classified
Aspiration Hazard: Not classified
Symptoms/Injuries After Inhalation: Inhalation of vapors may cause respiratory irritation.
Symptoms/Injuries After Skin Contact: May cause mild skin irritation.
Symptoms/Injuries After Eye Contact: May cause minor eye irritation.
Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms: Not carcinogenic in animal studies. Representative material passes IP-346, Modified Ames test, and/or other screening tests. Dermal and inhalation studies showed minimal effects; lung non-specific infiltration of immune cells, oil deposition and minimal granuloma formation. Not sensitizing in test animals. synthetic base oils: Not expected to cause signigicant health effects under conditions of normals use, based on laboratory studies with the same or similar materials. not mutagenic or genotoxic. Not sensitizing in test animals and humans.

12 ECOLOGICAL INFORMATION

Ester Oil 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 biodgradability. It is unlikely to breakdown or remain in the air, but rather become absor ed 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

Waste Disposal Recommendations: Disposal recommendations based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Discarded product is not a hazardous waste under RCRA, 40 CFR 261. Product is suitable for burning in an enclosed controlled burner for fuel valve or disposal by supervised incineration at very high temperatures to prevent formation of undesirable combustion products. Dispose of waste material in accordance with all local, regional, national, and international regulations.
Additional Information: Empty containers may container residue and can be dangerous. Do not attempt to refill or clean containers withou proper instructions. Empty drums should be completely drained and safely stored until appropriately recondtioned or disposed. Empty containers should be take for recycling, recovery or disposal through suitable qualified or licensed contractor and in accordance with governmental regulations. DO NOT PRESSURIZE, CUT, WELD, BRACE, SOLDER, DRILL, GRIND OR EXPOSE SUCH CONTAINERS TO HEAT, FLAME, SPARKS, STATIC ELECTRICITY, OR OTHER SOURCES OF IGNITION. THEY MAY EXPLODE AND CAUSE INJURY OR DEATH.

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

[--%] Mineral oil (8042-47-5) 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

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).

Revision Date: 10/9/2024
Print Date: 10/09/2024