

Enviro-Safe Stop Leak Concentrate & VS

1	PRODUCT AND COMPANY IDENTIFICATION
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Product Identifier: Enviro-Safe Stop Leak Concentrate & VS
SDS Number: 2035-2040
Revision Date: 1/14/2020
Version: 2.0
Product Description: Automotive O-Ring Cleaner

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

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2	HAZARDS IDENTIFICATION
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Classification of Substance

GHS Classification in Accordance with 29 CFR 1910 (OSHA HCS):
 Health, Skin sensitization, 1

GHS Label Elements, Including Precautionary Statements

GHS Signal Word: **WARNING**

GHS Hazard Pictograms:



GHS Hazard Statements:

H317 - May cause an allergic skin reaction

GHS Precautionary Statements:

- P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.
- P272 - Contaminated work clothing should not be allowed out of the workplace.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P302 + P352 - IF ON SKIN: Wash with plenty of water
- P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention.
- P362 + P364 - Take off contaminated clothing and wash it before reuse.
- P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

3	COMPOSITION/INFORMATION ON INGREDIENTS
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	Chemical Ingredients:	
CAS#	%	Chemical Name:
-40-7		Ester Oil

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FIRST AID MEASURES

- Inhalation:** When symptoms occur: go into open air and ventilate 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 a 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 unconscious person. If you feel unwell, seek medical advice.

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

Symptoms/Injuries: Exposure may produce an allergic reaction.

Symptoms/Injuries After Inhalation: Inhalation of vapors may cause respiratory irritation.

Symptoms/Injuries After Skin Contact: May cause an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

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

If exposed or concerned, get medical advice and attention.

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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.

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-contained breathing apparatus when fighting fire in an enclosed area.

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

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ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures

General Measures: Do not get in eyes, on skin, or on clothing. do not breathe vapor, mist or spray.

6.1.1. For Non-emergency Personnel

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

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

6.1.2. For Emergency Responders

Protective Equipment: Equip clean up crew with proper protection.

Emergency Procedures: Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

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. 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: Ventilate area. Collect absorbed material and place in a sealed, labelled container for disposal.

6.4. Reference to Other Sections

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

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7 HANDLING AND STORAGE

Handling Precautions:	<p>7.1. Precautions for Safe Handling Additional Hazards When Processed: Container remains hazardous when empty. Continue to observe all precautions. 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.</p>
Storage Requirements:	<p>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 from 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.</p> <p>7.3. Specific End Use(s): Automotive O-Ring conditioner.</p>

8 EXPOSURE CONTROLS/PERSONAL PROTECTION

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 airborne concentrations of vapor or mists below the applicable workplace exposure limits indicated above. All electrical equipment should comply with the National Electric Code.
Personal Protective Equipment:	<p>HMIS PP, J Splash Goggles, Gloves, Apron, Dust and Vapor Resp Protective goggles. Gloves. Protective clothing. Insufficient ventilation: wear respiratory protection.</p> <p>Eye Protection: Chemical goggles or safety glasses. 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 advice on glove selection and breakthrough times for your use conditions. Inspect and replace worn or damaged gloves. Skin and Body Protection: Wear suitable protective clothing. Respiratory Protection: If engineering controls do not maintain airborne contaminant 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 airborne concentrations, use an approved supplied-air respirator, operated in positive pressure mode. 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.</p>

Ester Oil cas#:(-40-7)

USA ACGIH ACGIH TWA (mg/m3): 5 MG/M3 (TLV)
USA ACGIH ACGIH STEL (mg/m3): 10mg/m3

For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV). NIOSH (REL), OR OSHA (PEL).

9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colorless liquid at 20 °C (68 °F)	Odor:	Pine scent
Physical State:	Liquid	Solubility:	< 1 %
Odor Threshold:	No data available	Percent Volatile:	100 %
Specific Gravity or Density:	0.850 - 0.870 @ 20 °C (68 °F)	Freezing or Melting Point:	No data available
Viscosity:	No data available	Flash Point:	40 °C (104 °F)
Boiling Point:	164 - 178 °C (327.7 - 352.4 °F)	Vapor Density:	4.7 (air = 1)
Flammability:	Flammable gas	Autoignition Temperature:	No data available
Partition Coefficient:	Log Kow (Pow): 4.49 @ 25 °C (77 °F)	Upper Flammability Limit and Lower Flammability Limit:	No data available
Vapor Pressure:	< 3 mmHg		
Potentia Hydrogenii:	No data available		
Evaporation Rate:	< 1 (butyl acetate = 1)		

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Decompression Temperature: No data available

10	STABILITY AND REACTIVITY
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Reactivity: May react with strong oxidants causing fire and explosion hazard.

Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

Conditions to Avoid Identification: Sparks, heat, open flame, and other sources of ignition. Incompatible materials.

Materials to Avoid Identification: Strong acids, strong bases, strong oxidizers.

Hazardous Decomposition: Material does not decompose at ambient temperatures. At high temperatures, it may produce smoke, fume, hydrocarbons, carbon oxides, and aldehydes.

Hazardous Polymerization: Hazardous polymerization will not occur.

11	TOXICOLOGICAL INFORMATION
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Information On Toxicological Effects

Acute Toxicity: Not classified

Skin Corrosion/Irritation: Not classified

Serious Eye Damage/Irritation: Not classified

Respiratory or Skin Sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity: Not classified

Carcinogenicity: Not classified

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 an allergic skin reaction.

Symptoms/Injuries After Eye Contact: Causes serious eye irritation

Symptoms/Injuries After Ingestion: Ingestion is likely to be harmful or have adverse effects.

12	ECOLOGICAL INFORMATION
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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 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
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Waste Treatment Methods

Waste Disposal Recommendations: Dispose of waste material in accordance with all local, regional, national, and international regulations.

Additional Information: Empty containers may contain residue and can be dangerous. Do not attempt to refill or clean containers without proper instructions. Empty drums should be completely drained and safely stored until appropriately reconditioned or disposed. Empty containers should be taken for recycling, recovery, or disposal through suitably qualified or licensed contractor and in accordance with governmental regulations. Do NOT PRESSURIZE, CUT, WELD, BRAZE, 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
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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

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Not regulated for transport

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

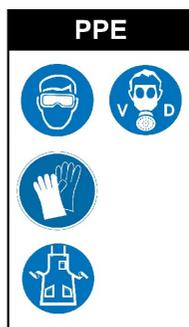
[--%] Ester Oil (-40-7)

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

Regulatory Code Legend

16	OTHER INFORMATION
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HMIS	
HEALTH	<input type="checkbox"/> <input type="checkbox"/>
FLAMMABILITY	<input type="checkbox"/>
PHYSICAL HAZARD	<input type="checkbox"/>
PERSONAL PROTECTION	<input type="checkbox"/> J



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