



ZARCO
L U B E

MATERIAL SAFETY DATA SHEET

Produced by:
Quality & Compliance Team of Inspection and Testing Unit



MATERIAL SAFETY DATA SHEET

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: ZARCO LUBE ANTIFREEZE COOLANT

Product Type: Automotive Coolant

Manufacturer: General Oil and Lubricant International Company FZE LLC.
Business Centre, Sharjah Publishing Free Zone
Sharjah, United Arab Emirates
Email: info@zarcolube.com

2. COMPOSITION/INFORMATION ON INGREDIENTS

| COMPONENTS | CAS NUMBER | AMOUNT |
|----------------------------|------------|-------------------|
| Ethylene glycol | 107-21-1 | 80 - 98 %weight |
| Potassium 2-ethylhexanoate | 3164-85-0 | 1 - 5 %weight |
| Toly/triazole | 29385-43-1 | 0.1 - < 1 %weight |



3. HAZARDS IDENTIFICATION

| | |
|---|---|
| Statement of Hazardous Nature | |
| This product is classified as: Not classified as hazardous according to the criteria of SWA. Harmful if swallowed. | |
| Risk Phrase | Not Hazardous |
| Classification of the substance or mixture | |
| Classification According to regulations (EC) No. 1272/2008 (CLP): | Not Classified |
| Label Elements | |
| Labelling According to regulations (EC) No. 1272/2008 (CLP) | |
| EUH Statement | EUH - contains Calcium Petroleum Sulfonate (61789-86-4). May produce an allergic reaction |

4. FIRST AID MEASUREMENT

Inhalation:

- Generally, not an inhalation hazard
- Using proper respiratory protection, immediately remove the affected victim from exposure. Administer artificial respiration if breathing is stopped. Keep at rest. Call for prompt medical attention.



GLOBAL PRESENCE LOCAL EXPERIENCE



**ZARCO
LUBE**

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PORSCHE
APPROVAL A40



Mercedes-Benz
Approval 229.3, SAE 5W30
for Zarco Lube

VOLVO
VOLVO GROUP

Engineered for
GM dexos 1 Gen 3 ✓



Oronite



CLIMATE
IMPACT
PARTNERS



Skin Contact:

- Immediately flush with large amounts of water, use soap if available. Remove contaminated clothing, including shoes, after flushing has begun.
- If irritation persists, get medical attention

Eye Contact:

- Immediately flush eyes with large amounts of water for at least 15 minutes. Get prompt medical attention.

Ingestion:

- DO NOT induce vomiting. If individual is conscious, give milk or water to dilute stomach contents. Keep warm and quiet. Get prompt





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5. FIRE AND EXPLOSION MEASURES

Flashpoint
Extinguishing Media
Flammability Limits

122°C

CO₂, dry chemical, or foam

Material can form flammable mixtures or can burn only upon heating to temperature at or above the flash point.

Special
Firefighting
Procedure

Recommend wearing self-contained breathing apparatus. Do not use a water jet, as this may spread the fire. In the absence of suitable extinguishers, sand or earth may be used to smother small fires.

6. ACCIDENTAL RELEASE MEASURES

Land Spill:

- Contain spilled liquid with sand or earth.
- Recover by pumping (preferably use an explosion proof or hand pump) or with a suitable absorbent. If liquid is too viscous for pumping, scrape up with shovels or pails and place in suitable containers for recycle or disposal.
- Consult and expert on disposal of recovered material and ensure conformity to local disposal regulations.

Water Spill:

- Warn other shipping. Notify port or relevant authority and keep public away. Shut off source if possible, to do without hazard.
- Material that will sink. No immediate action – consult and expert.
- Consult an expert on disposal of any recovered material and ensure conformity to local disposal regulations.



7. HANDLING AND STORAGE

Maximum Storage temperature (oC) : about 40.
Maximum Transport temperature (oC) : about 40.

Handling Procedure:

- Keep container closed. Handle containers with care. Open slowly in order to control possible pressure release. Store in a cool, well-ventilated place away from incompatible materials.
- Do not handle, store or open near an open flame, sources of heat or sources of ignition. Protect material from direct sunlight.
- Do not pressurize, cut, heat or weld containers. Empty product containers may contain product residue.
- DO NOT reuse empty containers without commercial cleaning or reconditioning.

Storage Procedure:

- No special storage precautions required.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Ventilation Procedures: General or local exhaust ventilation should be provided if oil mist are generated.
Wear oil resistant gloves and overalls to minimize skin contact and contamination of personal clothing.

Eye Protection: Safety glasses. If potential for splash or mist exists, wear chemical goggles or face shield.

Respirator Protection: Not ordinarily required but avoid inhalation of mist.



9. PHYSICAL PROPERTIES

Physical State at 20°C : Liquid
Water Solubility: Soluble in Water
Colour: Universal Yellow
Appearance/Odor: Faint or Mild

| | |
|---------------------------|--------------------|
| Flash Point | 122°C (liquid) |
| Boiling Point | 180°C Estimated |
| Kinematic Viscosity | Not data available |
| Specific Gravity @ 15.6°C | 1.1150 (Estimated) |
| Density @ 15°C | 1.07 kg/l |
| Pour Point | (- 18°C) |
| Autoignition | Not data available |

10. STABILITY AND REACTIVITY

- Reactivity:** This product is unlikely to react or decompose under normal storage conditions. However, if you have any doubts, contact the supplier for advice on shelf-life properties.
- Conditions to Avoid:** This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed. Containers should be kept dry.
- Incompatibilities:** Strong oxidizing agents.
- Fire Decomposition:** Combustion forms carbon dioxide, and if incomplete, carbon monoxide, various hydrocarbons, aldehydes and smoke. Water is also formed. Small quantities of oxides of nitrogen, sulfur, zinc and phosphorus. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment and unconsciousness followed by coma and death.
- Polymerization:** This product will not undergo polymerization reactions.



11. ECOLOGICAL INFORMATION

Environmental Effects: No specific toxicology data on this product is available.

Remarks: This material present environmental risks common to oil spills. Contact your local oil spill response group and applicable government agencies if a spill occurs.

12. DISPOSAL CONSIDERATIONS

Waste Disposal: Place contained materials in disposable containers and dispose-off in a manner consistent with applicable regulations. Contact local environmental or health authorities for approved disposal of this material.

13. TRANSPORT INFORMATION

Transportation of Dangerous Goods

| | |
|------------------------|----------------|
| UN Number | Not Applicable |
| Dangerous Goods Class | Not Applicable |
| Proper Shipping Name | Not Applicable |
| Hazchem Code | Not Applicable |
| Additional Information | Not Determined |



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14. REGULATORY INFORMATION

Respirator Information: In the absence of local approval authorities/standards, follow USNIOSH/MSHA, UK BSI regulations, Respirators must meet either the above or local standard for approved respirators.

15. OTHER INFORMATION

No other health hazards known.

This information related only to the specific material designated and may not be valid for such material used in combination with any other material or in any process. Such information is to the best of General Oil and Lubricant International Company's knowledge and believed to be accurate and reliable as of the indicated. However, no representation, warranty or guarantee is more as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use.