



**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 SAE 75W90 FULLY SYNTHETIC GEAR OIL

**Product Type:** GEAR OIL 75W90

**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

CHARACTERISTICS	TEST METHOD	TYPICAL RESULTS
Chemical Composition		Highly refined base oil
Physical State	Visual	Viscous liquid
Water Crackle	HOT PLATE	Nil
Color	Visual	Golden
Kinematic Viscosity @ 40°C. C St.	ASTM D-445	161.2
Kinematic Viscosity @ 100°C. C St.	ASTM D-445	16.8
Flash Point COC °C	ASTM D-92	222
Pour Point °C	ASTM D-97	-27
Density at 15°C	ASTM D-4052	0.87
Solubility		Insoluble in water
Odour		Mild petroleum oil like





### 3. HAZARDS IDENTIFICATION

<b>Statement of Hazardous Nature</b>	
This product is classified as: Not classified as hazardous according to the criteria of SWA.	
Risk Phrase	Not Hazardous
<b>Classification of the substance or mixture</b>	
Classification According to regulations (EC) No. 1272/2008 (CLP):	Not Classified
<b>Label Elements</b>	
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



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**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**

**>222°C**  
CO<sub>2</sub>, 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 :**

Water Solubility:

Appearance/Odor:

Viscous Liquid.

Insoluble

Golden

Characteristics	Typical Value
Density at 15°C, Kg/L	0.870
Viscosity at 40°C, cSt	161.200
Viscosity at 100°C, cSt	16.8
Viscosity Index	111.09
Pour Point (°C)	-27
Melting Point	N/A
Flash Point (COC)	222

## 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.