

# MATERIAL SAFETY DATA SHEET



Product name: Athen Marine Stern EAL 100  
Supersedes date: September 2025  
Product No.: EALST100

Pages: 6  
Revision: August 2025  
SDS-ID: A/EAL/100/2025

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product identifier

Product name: Athen Marine Stern EAL 100  
Container size: -

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Application: Environmentally Acceptable Sterntube Lubricant

### 1.3. Details of the supplier of the safety data sheet

Supplier: Athen Marine Lubricants LLC  
PO BOX: 111541  
Dubai, UAE.  
Tel: +971 42587297  
www.athenmarine.com

Emergency contact: Tel: +971504834180

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1. Classification of the substance or mixture

GHS: Not classified.

### 2.2. Label elements

Not Applicable.

### 2.3. Other hazards

Other: Cumulative effects may result following exposure. May produce discomfort of the eyes and skin. HARMFUL: may cause lung damage if swallowed.

## SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

### 3.1 Mixtures

Mineral oil and additives. DMSO<3% (IP 346)

Ingredient Name	% (w/w)	CAS Number
naphthenic distillate, light, hydrotreated (severe)	2.5-10	64742-53-6.
proprietary ingredients	No Spec	Not Available

## SECTION 4: FIRST AID MEASURES

### 4.1. Description of first aid measures

Inhalation: If fumes, aerosols or combustion products are inhaled remove from contaminated area.  
coughing: Seek medical attention and bring these instructions.

Skin contact: Immediately remove all contaminated clothing, including footwear

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Flush skin and hair with running water (and soap if available).

**Eye contact:** Immediately flush with plenty of water for up to 15 minutes. Remove any contact lenses and open eyelids widely. If irritation persists: Seek medical attention and bring along these instructions.

**Ingestion:** Immediately give a glass of water. First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor

#### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms/effects

: See section 11 for more detailed information on health effects and symptoms.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

**Medical attention/treatments:** If there is any suspicion of aspiration into the lungs either directly or as a result of vomiting, obtain medical advice.

## **SECTION 5: FIREFIGHTING MEASURES**

### **5.1. Extinguishing media**

#### **Extinguishing media:**

Extinguish with foam, carbon dioxide, dry powder or water fog. Cool containers exposed to heat with water spray and remove container, if no risk is involved.

Do not use a water jet as an extinguisher, as this will spread the fire.

### **5.2. Special hazards arising from the substance or mixture**

**Specific hazards:** When heated and in case of fire, harmful vapours/gases may be formed. Fire in closed areas should only be extinguished by trained personnel.

### **5.3. Advice for firefighters**

**Protective equipment for fire-fighters:** Wear suitable respiratory protective equipment.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **6.1. Personal precautions, protective equipment and emergency procedures**

**Personal precautions:** Mark the spillage. Avoid inhalation of oil mist and contact with skin and eyes. Keep public away from danger area. In case of spills, beware of slippery floors and surfaces.

**Protective equipment:** Wear necessary protective equipment.

### **6.2. Environmental precautions**

**Environmental precautions:** Avoid discharge into drains. Contact local authorities in case of spillage to drain/aquatic environment.

### **6.3. Methods and material for containment and cleaning up**

**Methods for cleaning up:** Dam and absorb spillages with sand, earth or other non-combustible material.

### **6.4. Reference to other sections**

**Reference:** For personal protection, see section 8. For waste disposal, see section 13.

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## SECTION 7: HANDLING AND STORAGE

### 7.1. Precautions for safe handling

Safe handling advice: Avoid all personal contact, including inhalation. Wear protective clothing when risk of exposure occurs. Use in a well-ventilated area.  
DO NOT enter confined spaces until atmosphere has been checked.  
When handling, DO NOT eat, drink or smoke  
DO NOT allow clothing wet with material to stay in contact with skin

Technical measures: Use work methods which minimize oil mist production. Do not smoke or use open fire or other sources of ignition.

Technical precautions: When working with heated oil, mechanical ventilation may be required.

### 7.2. Conditions for safe storage, including any incompatibilities

Technical measures for safe storage: Store in tightly closed original container in a well-ventilated place.

Storage conditions: Keep at a temperature not exceeding: 45°C.

### 7.3. Specific end use(s)

Specific use(s): Lubricant.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1. Control parameters

Occupational exposure limits:

<u>CAS- No.:</u>	<u>Chemical name:</u>	<u>As:</u>	<u>Exposure limits:</u>	<u>Type:</u>	<u>Notes:</u>	<u>References</u> <u>:</u>
-	Singapore Permissible Exposure Limits of Toxic Substances	-	(TWA)5 mg/m3	PEL (Long - Term)	-	
		-	(STEL)10 mg/m3	PEL (Short - Term)	-	

### 8.2. Exposure controls

Engineering measures: Provide adequate ventilation. Observe Occupational Exposure Limits and minimize the risk of inhalation of vapors and oil mist.

Respiratory equipment: No specific recommendations.

Hand protection: Gloves (synthetic rubber, neoprene)

Eye protection: Wear approved, tight-fitting safety glasses where splashing is probable.

Skin protection: Wear appropriate clothing to prevent repeated or prolonged skin contact.  
Wash your hands after handling. Observe good chemical hygiene practices.

Hygiene measures: Wash contaminated clothing before reuse. When using do not eat, drink or smoke. Always remove oil with soap and water or skin cleaning agent, never use organic solvents. Do not use oil-contaminated clothing or shoes, and do not put rags moistened with oil into pockets.

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## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1. Information on basic physical and chemical properties

<u>Appearance:</u>	Yellow colored liquid with a characteristic odor; partially mixes with water.
<u>Colour:</u>	Yellowish Brown Liquid.
<u>Odour:</u>	Characteristic
<u>Odour threshold:</u>	Not available.
<u>pH:</u>	Not applicable.
<u>Melting point / freezing point:</u>	Not available.
<u>Boiling point:</u>	Not available.
<u>Flash point:</u>	>180°C ASTM D 92
<u>Evaporation rate:</u>	Not available.
<u>Flammability (solid, gas):</u>	Not applicable.
<u>Explosion limits:</u>	Not available.
<u>Vapour pressure:</u>	Not available.
<u>Vapour density:</u>	Not available.
<u>Relative density:</u>	< 1 (15°C)
<u>Solubility:</u>	Soluble in Organic solvents.
<u>Partition coefficient (n-octanol/water):</u>	Not available.
<u>Auto-ignition temperature (°C):</u>	Not available.
<u>Decomposition temperature (°C):</u>	Not available.
<u>Viscosity:</u>	100 cSt (40°C)
<u>Explosive properties:</u>	Not available.
<u>Oxidising properties:</u>	Not available.

### 9.2. Other information

Other data: Pour point (°C): -24

## SECTION 10: STABILITY AND REACTIVITY

### 10.1. Reactivity

Reactivity: Not reactive.

### 10.2. Chemical stability

Stability: Stable under normal temperature conditions.

### 10.3. Possibility of hazardous reactions

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Hazardous reactions: None known.

## **10.4. Conditions to avoid**

Conditions/materials to avoid: Heat, sparks, flames.

## **10.5. Incompatible materials**

Incompatible materials: Strong oxidizing substances.

## **10.6. Hazardous decomposition products**

Hazardous decomposition products: None under normal conditions. Hazardous polymerisation will not occur.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **11.1. Information on toxicological effects**

Acute Toxicity (Oral): Based on available data, the classification criteria are not met.

Acute Toxicity (Dermal): Based on available data, the classification criteria are not met.

Acute Toxicity (Inhalation): Based on available data, the classification criteria are not met.

Skin Corrosion/Irritation: Based on available data, the classification criteria are not met.

Serious eye damage/irritation: Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation: Based on available data, the classification criteria are not met.

Germ cell mutagenicity: Based on available data, the classification criteria are not met.

Carcinogenicity: Based on available data, the classification criteria are not met.

Reproductive Toxicity: Based on available data, the classification criteria are not met.

STOT - Single exposure: Based on available data, the classification criteria are not met.

STOT - Repeated exposure: Based on available data, the classification criteria are not met.

Aspiration hazard: Based on available data, the classification criteria are not met.

Inhalation: Inhalation of oil mist or vapours formed during heating of the product may irritate the respiratory system and provoke throat irritation and coughing.

Skin contact: Prolonged or repeated contact with used oil may cause serious skin diseases, such as dermatitis.

Eye contact: May cause temporary eye irritation.

Ingestion: Low order of acute toxicity, but aspiration following ingestion and vomiting may cause severe and potentially fatal chemical pneumonitis.

Specific effects: Used oil may contain harmful contaminants.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **12.1. Toxicity**

Ecotoxicity: Not harmful to aquatic organisms. Expected LC/EC50 value > 100 mg/l

### **12.2. Persistence and degradability**

Degradability: Potentially degradable, but will persist in the environment for long periods.

### **12.3. Bioaccumulative potential**

