

Safety Data Sheet (SDS)

Deomax DM8 SAE 15W40

REACH Regulation (EC) No 1907/2006, Annex II

1. Identification of the Substance/Mixture and of the Company/Undertaking

- **Product Name:** Deomax DM8 SAE 15W40
 - **Product Use:** Commercial engine lubricant.
 - **Supplier:**
OLA ENERGY
Address: [Insert Full Address]
Telephone: [Insert Phone Number]
Emergency Phone: [Insert 24/7 Emergency Contact]
 - **REACH Registration Number:** [Insert if applicable]
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2. Hazards Identification

- **CLP Classification:**
 - Skin Sensitization, Category 1 (H317): *May cause an allergic skin reaction.*
 - Hazardous to the Aquatic Environment, Chronic Toxicity, Category 3 (H412): *Harmful to aquatic life with long-lasting effects.*
 - **Label Elements:**
 - **Hazard Pictograms:** ⚠ (Warning)
 - **Signal Word:** Warning
 - **Precautionary Statements:**
 - P261: Avoid breathing mist/vapors.
 - P273: Avoid release to the environment.
 - P280: Wear protective gloves/clothing.
 - P302+P352: IF ON SKIN: Wash with plenty of water.
 - **Other Hazards:** Not flammable (Flash Point >228°C).
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3. Composition/Information on Ingredients

- **Mixture Components:**

Substance Name	CAS Number	Concentration	CLP Classification
Zinc Dialkyl Dithiophosphate (ZDDP)	68649-42-3	1–5%	H317, H412
Base Oils (Severely Hydrotreated)	Proprietary	85–97%	Not classified

4. First-Aid Measures

- **Eye Contact:** Flush with water for 15 minutes. Seek medical attention.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Inhalation:** Move to fresh air. Seek medical help if symptoms persist.
 - **Ingestion:** Do NOT induce vomiting. Rinse mouth and consult a physician.
 - **Injection Injury:** *Immediate surgical intervention required* for high-pressure exposure.
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5. Fire-Fighting Measures

- **Suitable Extinguishing Media:** CO₂, foam, dry chemical, or water fog.
 - **Hazardous Combustion Products:** CO, SO_x, aldehydes.
 - **Special Precautions:** Cool containers with water. Prevent environmental runoff.
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6. Accidental Release Measures

- **Personal Precautions:** Wear PPE (gloves, goggles). Avoid mist inhalation.
 - **Environmental Precautions:** Contain spills with absorbents. Prevent entry into waterways.
 - **Cleanup:** Collect residue in sealed containers. Dispose per Section 13.
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7. Handling and Storage

- **Handling:** Avoid mist formation. Use local exhaust ventilation.
 - **Storage:** Keep containers closed. Store away from oxidizers and heat.
 - **Incompatible Materials:** Strong oxidizing agents.
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8. Exposure Controls/Personal Protection

- **Occupational Exposure Limits (OELs):**
 - Oil mist: 5 mg/m³ (8-hr TWA), 10 mg/m³ (STEL).

- **PPE:**
 - **Respiratory:** FFP2 mask if mist is generated.
 - **Eye/Face:** Safety goggles.
 - **Skin:** Nitrile gloves.
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9. Physical and Chemical Properties

Property	Value
Appearance	Brown liquid
Odor	Mild
Flash Point	228°C (ASTM D-92)
Density	0.886 g/cm ³
Water Solubility	Negligible
Viscosity (40°C)	107.0 cSt

10. Stability and Reactivity

- **Stability:** Stable under normal conditions.
 - **Conditions to Avoid:** Temperatures >200°C.
 - **Hazardous Decomposition:** Releases CO/SO_x if burned.
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11. Toxicological Information

- **Acute Toxicity:**
 - Oral/Dermal (LD₅₀ >2000 mg/kg).
 - **Skin Sensitization:** Positive for ZDDP (H317).
 - **Chronic Effects:** Prolonged exposure may cause dermatitis.
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12. Ecological Information

- **Ecotoxicity:** LL₅₀ >1000 mg/L (low aquatic toxicity).
 - **Persistence:** Inherently biodegradable.
 - **Bioaccumulation:** Unlikely (log Pow >3.5).
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13. Disposal Considerations

- **Waste Code:** 13 02 08* (Synthetic engine oils).
 - **Disposal:** Incinerate in approved facilities or recycle.
 - **EU Compliance:** Follow Directive 2008/98/EC.
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14. Transport Information

- **UN Number:** Not regulated.
 - **Transport Hazard Class:** None.
 - **Special Precautions:** Static accumulator.
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15. Regulatory Information

- **CLP Compliance:** H317, H412.
 - **REACH SVHC:** None.
 - **EU Restrictions:** Compliant with Annex XVII of REACH.
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16. Other Information

- **SDS Revision Date:** [Insert Date]
- **Abbreviations:** TWA (Time-Weighted Average), STEL (Short-Term Exposure Limit).
- **Disclaimer:** Use only as intended. OLA ENERGY disclaims liability for misuse.