

SAFETY DATA SHEET (SDS)
DEOMAX DM12 ULTRA SAE 10W40

REACH-Compliant (EC 1907/2006)

Date of Issue: [Insert Date]

Version: 1.0

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product Name: DEOMAX DM12 ULTRA SAE 10W40

Use: Engine lubricant for commercial vehicles.

Supplier:

OLA ENERGY

[Full Address: Insert Street, City, Country]

Emergency Telephone: [+XX-XXX-XXX-XXXX]

EU Representative (if applicable): [Insert EU Rep Details]

2. HAZARDS IDENTIFICATION

CLP Classification:

- Not classified as hazardous under Regulation (EC) No 1272/2008.

EU Hazard Statements (Precautionary):

- **H315:** Causes skin irritation.
- **H319:** Causes serious eye irritation.

Emergency Overview: Brown liquid. Mild odor. May cause eye/skin irritation upon prolonged exposure.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Components:

Substance Name (CAS No.)

Zinc dialkyldithiophosphate (ZDDP)
(68649-42-3)

Concentration REACH Status

1.3% w/w

Not listed as SVHC (Annex XIV)
as of Oct 2023.

Full Composition:

- Base oils (severely hydrotreated mineral oils, CAS 64742-54-7): 85–90%.
 - Additives (including ZDDP): 10–15%.
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4. FIRST AID MEASURES

- **Eye Contact:** Rinse immediately with water for 15 minutes. Seek medical attention.
 - **Skin Contact:** Wash with soap and water. Remove contaminated clothing.
 - **Inhalation:** Move to fresh air. If symptoms persist, seek medical help.
 - **Ingestion:** Do NOT induce vomiting. Rinse mouth and consult a physician.
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5. FIRE-FIGHTING MEASURES

- **Extinguishing Media:** CO₂, dry chemical, foam, or water fog.
 - **Hazardous Combustion Products:** CO, sulfur oxides, aldehydes.
 - **Flash Point:** 228°C (ASTM D-92).
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6. ACCIDENTAL RELEASE MEASURES

- **Land Spill:** Contain with absorbent material (e.g., sand). Collect in sealed containers.
 - **Water Spill:** Use booms to prevent spread. Notify authorities.
 - **Environmental Precautions:** Prevent entry into drains or waterways.
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7. HANDLING AND STORAGE

- **Handling:** Use in well-ventilated areas. Avoid prolonged skin contact.
 - **Storage:** Keep in tightly closed containers away from oxidizers and heat sources.
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8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits (EU):

- Oil mist (8-hour TWA): 5 mg/m³ (EU OEL).
- **PPE Recommendations:**
- **Gloves:** Nitrile or neoprene.
- **Eye Protection:** Safety goggles.

- **Respiratory Protection:** FFP1 mask if mist is generated.
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9. PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Brown liquid.
 - Density: 0.886 g/cm³.
 - Solubility in Water: Negligible.
 - Viscosity @ 40°C: 107 cSt.
 - Boiling Point: >316°C.
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10. STABILITY AND REACTIVITY

- **Stable under normal conditions.**
 - **Incompatible Materials:** Strong oxidizers (e.g., nitric acid).
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11. TOXICOLOGICAL INFORMATION

- **Acute Toxicity (Oral/LD50):** >2000 mg/kg (practically non-toxic).
 - **Skin Irritation:** Mild (Primary Irritation Index <3).
 - **Carcinogenicity:** No evidence (severely hydrotreated base oils).
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12. ECOLOGICAL INFORMATION

- **Aquatic Toxicity (LC50):** >1000 mg/L (not classified as hazardous).
 - **Biodegradability:** Inherently biodegradable.
 - **Bioaccumulation:** Log Kow >3.5 (potential; low bioavailability).
 - **PBT/vPvB Status:** Not classified.
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13. DISPOSAL CONSIDERATIONS

- **EU Waste Code:** EWC 13 02 05* (synthetic engine oils).
 - **Disposal:** Recycle via approved facilities or incinerate in controlled burners.
 - **Used Oil:** May be regulated as hazardous waste under EU Directive 2008/98/EC.
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14. TRANSPORT INFORMATION

- **ADR/RID/IMDG/IATA:** Not regulated.
 - **Special Precautions:** Static accumulator (50 pS). Ground equipment during transfer.
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15. REGULATORY INFORMATION

- **REACH Compliance:** All components registered. No SVHCs above 0.1% w/w.
 - **CLP Compliance:** No mandatory classification.
 - **EU Restrictions:** Compliant with Annex XVII (no PAHs above limits).
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16. OTHER INFORMATION

- **REACH eSDS:** Available upon request for exposure scenarios.
- **Disclaimer:** Information accurate as of [date]. Regularly review for SVHC updates.