

Material Safety Data Sheet (MSDS)

1. Product Identification

- **Product Name:** Rida Diesel Engine Oil API CH-4 Series
- **Chemical Name:** Lubricating Oil
- **Manufacturer:** Rida Lubricants LLC
- **Address:** 91 Hassan Bin Haitham St - Ajman Industrial 2, Ajman, P.O. Box 40413, UAE
- **Emergency Contact:** +971 56 103 1399
- **Website:** www.ridalubs.ae

2. Hazard Identification

- **Classification:** Not classified as hazardous under GHS
- **Signal Word:** None
- **Hazard Statements:**
 - Prolonged skin contact may cause irritation
 - May cause mild eye irritation
 - Inhalation of mist may cause respiratory discomfort
- **Precautionary Statements:**
 - Avoid direct contact with skin and eyes
 - Do not inhale oil mist
 - Store in a cool, dry place away from direct sunlight

3. Composition/Information on Ingredients

- **Base Oil (Highly Refined Mineral Oil):** 85-95%
- **Additives (Detergents, Anti-Wear, Antioxidants, Viscosity Modifiers):** 5-15%

4. First-Aid Measures

- **Inhalation:** Remove the affected person to fresh air. Seek medical attention if symptoms persist.
- **Skin Contact:** Wash skin thoroughly with soap and water. Seek medical attention if irritation develops.
- **Eye Contact:** Rinse immediately with water for at least 15 minutes. Seek medical attention if irritation persists.

- **Ingestion:** Do not induce vomiting. Seek medical advice immediately.
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5. Firefighting Measures

- **Flammability:** Not classified as flammable, but may burn if exposed to high temperatures
 - **Suitable Extinguishing Media:** Dry chemical, foam, carbon dioxide (CO₂), water fog
 - **Unsuitable Extinguishing Media:** Do not use direct water jets
 - **Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, and other toxic fumes
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6. Accidental Release Measures

- **Spill Response:**
 - Contain spill using absorbent material (sand, earth, or commercial absorbents)
 - Avoid entry into drains, soil, or water sources
 - Dispose of waste in accordance with local regulations
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7. Handling and Storage

- **Handling:**
 - Avoid prolonged contact with skin and eyes
 - Wash hands after handling
 - Use protective gloves when necessary
 - **Storage:**
 - Keep containers tightly closed
 - Store in a cool, well-ventilated area away from ignition sources
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8. Exposure Controls/Personal Protection

- **Personal Protective Equipment (PPE):**
 - **Hand Protection:** Impervious gloves
 - **Eye Protection:** Safety goggles
 - **Skin Protection:** Protective clothing for prolonged exposure
 - **Exposure Limits:** No specific occupational exposure limits established
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9. Physical and Chemical Properties

Property	Test Method	Units	SAE 15W-40	SAE 20W-50
Appearance	Visual	-	Amber Liquid	Amber Liquid
Odor	-	-	Characteristic Petroleum Odor	Characteristic Petroleum Odor
Kinematic Viscosity @ 100°C	ASTM D445	cSt	12.5 - 16.3	16.5 - 21.9
Viscosity Index	ASTM D2270	-	>130	>130

Density @ 15°C	ASTM D4052	kg/l	0.87	0.88
Total Base Number (TBN)	ASTM D2896	mg KOH/g	>10.0	>10.0
Cold Cranking Viscosity @ - 15°C	ASTM D5293	cP	-	9500 Max
Cold Cranking Viscosity @ - 20°C	ASTM D5293	cP	7000 Max	-
Flash Point (COC)	ASTM D92	°C	>220	>230
Pour Point	ASTM D97	°C	-36	-27
Solubility	-	-	Insoluble in Water	Insoluble in Water

10. Stability and Reactivity

- **Stability:** Stable under normal conditions
- **Conditions to Avoid:** High temperatures, open flames, strong oxidizers
- **Incompatible Materials:** Strong acids, oxidizing agents
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, and other toxic fumes

11. Toxicological Information

- **Routes of Exposure:** Inhalation, skin contact, eye contact, ingestion
- **Potential Health Effects:**
 - **Inhalation:** Oil mist may cause mild respiratory irritation
 - **Skin Contact:** May cause mild irritation with prolonged exposure
 - **Eye Contact:** May cause mild irritation
 - **Ingestion:** May cause gastrointestinal discomfort

12. Ecological Information

- **Environmental Impact:**
 - Avoid release into the environment
 - Harmful to aquatic life with long-lasting effects
 - Not readily biodegradable

13. Disposal Considerations

- **Waste Disposal:**
 - Dispose of used oil at an authorized collection point
 - Do not discharge into drains, soil, or water
 - Follow local regulations for disposal

14. Transport Information

- **UN Number:** Not classified as dangerous goods
 - **Proper Shipping Name:** Diesel Engine Oil
 - **Transport Hazard Class:** Not applicable
 - **Packing Group:** Not applicable
 - **Marine Pollutant:** No
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15. Regulatory Information

- **Regulatory Status:** Compliant with international lubricant regulations
 - **Labeling Requirements:** No special labeling required
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16. Other Information

- **Additional Information:**
 - Ensure proper disposal and environmental protection measures
 - Contact Rida Lubricants for technical support and additional information
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Disclaimer: The information contained in this MSDS is based on current knowledge and best practices. It is the responsibility of the user to ensure safe handling and compliance with applicable regulations.