

Material Safety Data Sheet (MSDS)

Product Name: Rida Petrol Engine Oil - API SN Series (Fully Synthetic)

Manufacturer: Rida Lubricants

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Section 1: Product Identification

- **Product Name:** Rida Petrol Engine Oil - API SN Series
- **Product Code:** RDA-PETROL-OIL-SN
- **Use:** Premium fully synthetic petrol engine oil
- **Recommended Use:** Suitable for all petrol automobile engines requiring API SN standard

Section 2: Hazard Identification

Health Hazards:

- **Eye Contact:** May cause mild irritation.
- **Skin Contact:** Prolonged or repeated exposure may cause mild irritation.
- **Inhalation:** Vapors may cause mild irritation to the respiratory system.
- **Ingestion:** Ingestion of large quantities may cause gastrointestinal discomfort.

Environmental Hazards:

- May be harmful to aquatic life if spilled. Avoid discharge into drains, soil, or water.

Section 3: Composition / Information on Ingredients

- Synthetic base oils
- Anti-wear additives
- Oxidation resistance agents
- Detergent additive system

Section 4: First Aid Measures

- **Eye Contact:** Rinse immediately with plenty of water for at least 15 minutes. Seek medical attention if irritation persists.
 - **Skin Contact:** Wash with soap and water immediately after contact. Use protective gloves to avoid skin contact.
 - **Inhalation:** Remove to fresh air. Seek medical attention if symptoms persist.
 - **Ingestion:** Do not induce vomiting. Rinse mouth with water and seek medical advice.
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Section 5: Firefighting Measures

- **Flash Point (COC):** 220 - 240°C
 - **Fire Hazards:** Combustible liquid. Use foam, dry chemical powder, or carbon dioxide (CO₂) for extinguishing.
 - **Special Fire Fighting Procedures:** Wear self-contained breathing apparatus (SCBA) and protective clothing to prevent exposure to fumes and fire.
 - **Hazardous Combustion Products:** Carbon monoxide, carbon dioxide, and other toxic gases.
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Section 6: Accidental Release Measures

- **Personal Precautions:** Use personal protective equipment (PPE) as necessary to prevent exposure.
 - **Environmental Precautions:** Prevent further spillage by diking or bundling. Avoid discharge into drains, soil, or water.
 - **Cleaning Methods:** Absorb spill with an inert material such as sand or earth and dispose of it according to local regulations.
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Section 7: Handling and Storage

- **Handling:** Use in well-ventilated areas. Avoid prolonged skin contact and wear protective gloves.
 - **Storage:** Store in a cool, dry place away from heat and open flame. Keep container tightly closed.
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Section 8: Exposure Controls / Personal Protection

- **Occupational Exposure Limits:** Not established for this product.
 - **Engineering Controls:** Ensure adequate ventilation.
 - **Personal Protective Equipment (PPE):**
 - **Eye Protection:** Safety goggles or face shield
 - **Skin Protection:** Protective gloves and clothing
 - **Respiratory Protection:** Use in well-ventilated areas; use appropriate respiratory protection if exposure limits are exceeded.
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Section 9: Physical and Chemical Properties

Property	Units	Test Method	SAE 0W-20	SAE 0W-30	SAE 5W-20	SAE 5W-30
Kinematic Viscosity @ 100°C	cSt	ASTM D445	6.9 – 9.3	9.3 - 12.0	6.9 – 9.3	9.3 - 12.0
Viscosity Index	-	ASTM D2270	≥ 140	≥ 140	≥ 140	≥ 140
Density @ 15°C	kg/l	ASTM D4052	0.85	0.86	0.85	0.86
Total Base Number	mg KOH/g	ASTM D2896	> 7.0	> 7.0	> 7.0	> 7.0
Flash Point (COC)	°C	ASTM D92	220 - 240	220 - 240	220 - 240	220 - 240
Pour Point	°C	ASTM D97	-42	-45	-51	-54

Section 10: Stability and Reactivity

- **Stability:** Stable under normal conditions of use and storage.
- **Conditions to Avoid:** Avoid heat, sparks, open flames, and incompatible materials.
- **Incompatible Materials:** Strong oxidizing agents.
- **Hazardous Decomposition Products:** Carbon monoxide, carbon dioxide, and other toxic gases when burned.

Section 11: Toxicological Information

- **Acute Toxicity:** This product is not expected to have significant toxicity under normal conditions of use.
- **Chronic Toxicity:** No significant effects known.
- **Carcinogenicity:** Not classified as a carcinogen.
- **Reproductive Toxicity:** No evidence of reproductive toxicity.

Section 12: Ecological Information

- **Environmental Impact:** May be harmful to aquatic life.
- **Persistence and Degradability:** Biodegradable in water; however, should not be released into the environment.
- **Bioaccumulation:** Product is unlikely to bioaccumulate.
- **Mobility in Soil:** Low mobility in soil.

Section 13: Disposal Considerations

- **Disposal Methods:** Dispose of used oil at authorized collection points. Do not discharge into drains, soil, or water.

- **Packaging Disposal:** Empty containers can be recycled. Dispose of in accordance with local environmental regulations.
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Section 14: Transport Information

- **UN Number:** Not classified as dangerous for transport.
 - **Shipping Name:** Not regulated
 - **Hazard Class:** Not classified
 - **Packing Group:** Not applicable
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Section 15: Regulatory Information

- **Regulatory Status:** This product is subject to the UAE regulations on petroleum products.
 - **Labeling Requirements:** Follow standard safety labeling practices in accordance with UAE safety regulations.
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Section 16: Other Information

- **Disclaimer:**
The information provided in this Material Safety Data Sheet is based on the current knowledge available and is accurate to the best of our knowledge. Rida Lubricants makes no warranty or representation regarding the accuracy or completeness of the information. The product is intended for professional use, and users should evaluate all risks involved.