

1. MATERIAL AND SUPPLIER IDENTIFICATION

Product Name	ENGINE ANTI-FRICTION
Product Use	After-market additives
Issue Date	Sept 2026
Company Name	Gulf Western Oil
Company Address	92 – 96 Links Rd St Marys NSW 2760 Australia
Telephone number / Fax	(02) 9673 9600 (phone) (02) 9673 9696 (fax)
Emergency Telephone number	(02) 9673 9600 (business hours) or 131 126 (Poisons Information Centre)
Other Information	Not applicable

Section 2: Hazards Identification

GHS Hazard Class: No data available

Label Elements:

Pictogram: None

Signal Word: None

Hazard Statements:

Physical and Chemical Hazards: Stable under normal conditions. No risk of explosion or spontaneous combustion.

Health Hazards: Prolonged or repeated contact may cause mild skin irritation. Ingestion of large amounts may cause gastrointestinal discomfort. Inhalation of high-temperature oil mist may irritate the respiratory tract.

Environmental Hazards: Entry into water or soil may cause long-term adverse effects on aquatic organisms.

Section 3:

Chemical Component	CAS Number	Composition (%)
Base oil	64742-54-7	91-98
Viscosity index improver	9010-98-1	1-5
Organic molybdenum anti-wear agent	71342-89-7	1-4

Section 4: First Aid Measures

4.1 Inhalation: Move to fresh air. Keep airway open. If experiencing breathing discomfort or coughing, administer oxygen. If symptoms persist, seek medical attention.

4.2 Skin Contact: Immediately remove contaminated clothing. Rinse with flowing water for 10-15 minutes. If redness, swelling, or itching occurs, apply skin care ointment. Seek medical attention if discomfort persists.

4.3 Eye Contact: Hold eyelids open. Rinse continuously with water for at least 15 minutes. If severe irritation occurs, seek treatment at a hospital ophthalmology department.

4.4 Ingestion: Do NOT induce vomiting to prevent aspiration of vomiting into the lungs. Do not drink any liquids. Seek medical attention immediately. Do not feed anything to a person with impaired consciousness.

Section 5: Fire-Fighting Measures

Hazard Characteristics: Combustible liquid. May burn when exposed to high heat or open flame.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, small amounts of sulfur oxide.

Suitable Extinguishing Media: Dry chemical powder, carbon dioxide, foam.

Fire-Fighting Precautions: Firefighters should fight fire from upwind direction, wearing self-contained breathing apparatus (SCBA) and thermal protective equipment.

Section 6: Accidental Release Measures

1. Personnel Protection: Emergency responders should wear rubber gloves.

2. Environmental Protection: Prevent spilled material from entering sewers, rivers, lakes, and other water bodies.

3. Spill Cleanup Methods:

Small Spills: Absorb with dry sand, earth, or inert absorbent material. Collect into sealed containers. Handle as hazardous waste. Alternatively, flush with large amounts of water.

Large Spills: Construct dikes or excavation pits to contain the spill. Use explosion-proof pumps to transfer to dedicated collection containers, or dilute with large amounts of water and route to the wastewater treatment system.

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Section 7: Handling and Storage

1. Handling: Operate in well-ventilated areas. Avoid contact with eyes, skin, and clothing.
Wash hands thoroughly after handling. Use explosion-proof electrical, ventilation, and lighting equipment. Do not use tools that may produce sparks.
2. Storage: Store in a cool, dry, well-ventilated warehouse. Storage temperature should not exceed 50C. Keep away from heat sources. Keep containers tightly closed. Store separately from oxidizers, strong acids, and strong bases. Do not store together.

Section 8: Exposure Controls / Personal Protection

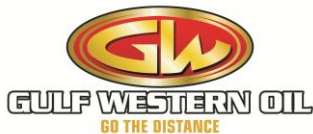
1. Engineering Controls: Provide adequate ventilation.
2. Respiratory Protection: Wear a respirator (half-face mask) when ventilation is poor or vapor concentration is too high.
3. Eye Protection: Wear chemical safety goggles.
4. Skin and Body Protection: Wear rubber or nitrile gloves.
5. Other Protection: No eating or drinking in the workplace. Wash hands thoroughly with water after work.

Section 9: Physical and Chemical Properties

Appearance	Pale yellow clear liquid
Odour	No irritating odour
pH	Not applicable
Flash point (open cup)	> 200 °C
Explosion limits (vol%), LEL / UEL	No data available
Density at 20 °C	approx. 0.89 g/cm ³
Solubility in water	Insoluble in water; soluble in aliphatic and aromatic solvents
Boiling point / boiling range	No data available
Vapour pressure	No data available
Auto-ignition temperature	No data available

Section 10: Stability and Reactivity

1. Stability: Chemically stable under normal storage and use conditions (temperature <=50C, avoid direct sunlight). No decomposition risk.
2. Incompatible Materials: Contact with strong oxidizers.
3. Conditions to Avoid: High temperatures, strong UV radiation.
4. Polymerization Hazard: No tendency to polymerize.
5. Decomposition Products: Combustion may produce carbon monoxide, carbon dioxide, small amounts of sulfur oxides, and molybdenum-containing dust.



Safety Data Sheet

Section 11: Toxicological Information

1. Acute Toxicity:

Oral LD50 (rat): >5000 mg/kg (low toxicity)

Dermal LD50 (rabbit): >2000 mg/kg (low toxicity)

Inhalation LC50 (rat, 4h): >5.0 mg/L (low toxicity)

2. Irritation:

Skin irritation: Mild irritation

Eye irritation: Mild irritation

3. Other Toxicity: Prolonged repeated contact may cause defatting dermatitis. No definitive toxic effects on the reproductive system.

Section 12: Ecological Information

Ecotoxicity: No data available.

Biodegradability: Slowly biodegradable.

Bioaccumulation: No data available.

Soil Mobility: No data available.

Section 13: Disposal Considerations

Disposal Method: Refer to relevant national and local regulations before disposal.

Contaminated Packaging: Emptied packaging may retain residual hazards. Keep away from heat and ignition sources. Recycle through qualified entities.

Waste Disposal: Refer to local regulations on waste chemicals and contaminated packaging.

Section 14: Transport Information

1. UN Number: Not applicable (non-hazardous material)

2. Packing Group: No special requirements

3. Transport Precautions: Avoid exposure to wind, sun, dropping/breakage of packaging, and product leakage.

Section 15: Regulatory Information

1. Domestic Regulations:

Complies with the Regulation on the Safe Management of Hazardous Chemicals and GB/T 16483-2008 Chemical Safety Data Sheet - Content and Order of Items.

2. International Regulations:

Complies with EU REACH, CLP, and U.S. TSCA regulations.

Section 16: Other Information

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