

SAFETY DATA SHEET

Zenon 5W-40 Heavy Duty Diesel Engine Oil

Section 1. Identification

Product Name	Zenon 5W-40
Product Code	0024
SDS No.	ZP0024
Product Type	Liquid
Recommended Use	Lubrication of modern gasoline engines operating under severe conditions
Supplier	Zenon Petroleum FZE
Address	Hamriyah Free Zone, Sharjah United Arab Emirates
Email Address	info@zenonpetroleum.ae

Section 2. Hazards Identification

GHS Classification	Not classified as hazardous
Signal Word	None
Hazard Statements	No known significant hazards under normal use
Precautionary Statements	Avoid prolonged skin contact; wash hands after handling
Other Hazards	Used engine oil may contain hazardous combustion by-products
OSHA / GHS Status	GHS compliant; not classified as hazardous

Section 3. Composition / Information on Ingredients

Component	CAS No.	Concentration
Base Oil	64742-65-0	70% - 90%
	64742-54-7	
	68037-01-4	
Performance Additives	Mixture	10% - 30%

The exact composition is proprietary and withheld as a trade secret. The product does not contain ingredients classified as hazardous at the concentrations present.

Section 4. First Aid Measures

Skin Contact: Wash immediately with soap and water. Remove contaminated clothing.

Eye Contact: Rinse cautiously with clean water for at least 15 minutes. Seek medical attention if irritation persists.

Inhalation: Move exposed person to fresh air and keep at rest.

Ingestion: Do not induce vomiting. Rinse mouth and seek medical attention if symptoms occur.

Section 5. Fire-Fighting Measures

Suitable Extinguishing Media: Foam, dry chemical powder, carbon dioxide (CO₂).

Unsuitable Media: Direct water jet.

Hazardous Combustion Products: Carbon monoxide, carbon dioxide, nitrogen oxides, sulfur oxides, metal oxides.

Protective Equipment: Firefighters should wear self-contained breathing apparatus (SCBA) and full protective gear.

Section 6. Accidental Release Measures

Personal Precautions: Avoid contact with skin and eyes. Use appropriate personal protective equipment.

Environmental Precautions: Prevent product from entering drains, soil, or waterways.

Methods of Cleaning: Absorb with inert material such as sand or earth and collect for disposal in accordance with local regulations.

Section 7. Handling and Storage

Handling: Use good industrial hygiene practices. Avoid prolonged or repeated exposure.

Storage: Store in original sealed containers in a cool, dry, well-ventilated area away from direct sunlight and ignition sources.

Section 8. Exposure Controls / Personal Protection

Engineering Controls: Provide adequate ventilation.

Personal Protective Equipment: Oil-resistant gloves, safety glasses, protective clothing if required.

Hygiene Measures: Wash hands thoroughly after handling and before eating or drinking.

Section 9. Physical and Chemical Properties

Physical State:	Liquid
Color:	Brown
Odor:	Mild petroleum odor
Density:	Approx. 0.865 – 0.885 g/cm ³ at 15°C
Flash Point:	Approx. >200°C
Kinematic Viscosity:	~5.5 CSt – 19.5 CSt at 100°C
Pour Point:	Approx. < -15°C
Solubility:	Insoluble in water

Section 10. Stability and Reactivity

Chemical Stability:	Stable under normal conditions.
Conditions to Avoid:	Excessive heat, sparks, open flames.
Incompatible Materials:	Strong oxidizing agents.
Hazardous Reactions:	None under normal conditions.

Section 11. Toxicological Information

Routes of Exposure:	Skin contact, inhalation, ingestion.
Acute Toxicity:	No known significant toxic effects.
Chronic Effects:	Prolonged contact with used oil may cause skin irritation or dryness.

Section 12. Ecological Information

Biodegradability:	Expected to be biodegradable.
Bioaccumulative Potential:	Not expected to bioaccumulate.
Environmental Impact:	Spills may form a surface film on water, reducing oxygen transfer.

Section 13. Disposal Considerations

Dispose of product and container in accordance with UAE environmental and waste disposal regulations.

Recycling of empty containers is recommended where possible.

Section 14. Transport Information

UN Number:	Not regulated.
Transport Hazard Class:	Not regulated.
ADR / IMDG / IATA:	Not regulated.

Section 15. Regulatory Information

This product is not classified as hazardous according to GHS.

Prepared in alignment with UAE ECAS / MoIAT chemical safety requirements.

Section 16. Other Information

Revision History:
Version 1.0 – Initial Release
Date: 2026-01-30

This Safety Data Sheet is prepared for private label use under Zenon brand. Information is believed to be accurate at the date of issue.