

Section 1: Product and Company Identification

Manufacturer: AMSOIL, Inc. Telephone:
925 Tower Avenue CHEMTREC (Spill Emergency Only): 1-800-424-9300
Superior, WI 54880 Information: 715-392-7101

AMSOIL Product CodeDEO
Product Label Name Synthetic Premium Diesel Engine Oil, SAE 5W-40
Product Use Lubricating Oil

Section 2: Composition/Information on Ingredients

OSHA HAZARDOUS COMPONENTS (29 CFR 1910.1200)

This product is not formulated to contain ingredients that have exposure limits exceeding those established by US agencies.

*See Section 8 for exposure limits.

Section 3: Hazards Identification

POTENTIAL HEALTH EFFECTS: Minor eye, inhalation and skin irritant.

Section 4: First Aid Measures

EYES: Rinse gently with large amounts of water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing at least 15 minutes. Do not rub eyes. If irritation persists, get medical attention.

SKIN: Wash with soap and water. Remove contaminated clothing and launder before reuse. If skin is damaged or irritation persists, seek immediate medical attention.

INHALATION: Vapor inhalation is normally not a problem. However, if respiratory irritation, dizziness or other inhalation exposure symptoms occur, remove exposed person to fresh air. If breathing is labored give oxygen. If breathing has stopped apply artificial respiration. If symptoms persist, get medical attention.

INGESTION: DO NOT INDUCE VOMITING. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea. Seek medical attention.

Section 5: Fire Fighting Measures

FLAMMABILITY PROPERTIES: Flash Point..... 450°F(232°C)
MethodCOC ASTM D-92
LFL/UFL..... Not Determined
Auto-ignition Temperature..... Not Determined

EXTINGUISHING MEDIA: Carbon dioxide, dry chemical, or foam. Water can be used to cool and protect exposed materials.

FIREFIGHTING EQUIPMENT: Full bunker gear recommended including a positive pressure self-contained breathing apparatus.

UNUSUAL FIRE & EXPLOSION HAZARDS: Never use welding or cutting torch on or near drum (even empty) because product (even just residue) can ignite explosively. If heated above flash point, may produce vapors sufficient to support combustion.

Section 6: Accidental Release Measures

SMALL SPILLS: Absorb with vermiculite or other inert absorbent material. Dispose of in accordance with all federal, state, and environmental regulations.

LARGE SPILLS: Stop spill at source if possible. Prevent entry into sewers and waterways. Provide adequate ventilation during cleanup. Pump or vacuum free liquid for proper recycling or disposal. Residual liquid can be absorbed with vermiculite or other inert absorbent material. Dispose of and report spills in accordance with all federal, state and environmental regulations

Section 7: Handling and Storage

HANDLING: Open container in adequately ventilated area. Prevent small spillage and leakage to avoid slip hazard. Do not discharge into drains or the environment. Use appropriate containment to avoid environmental contamination. Wash thoroughly after handling. Empty containers retain material residue. Do not cut, weld, braze, drill, grind or expose containers to heat, flame, spark or other sources of ignition.

STORAGE: Store in a cool, dry, ventilated area out of sunlight.

Section 8: Exposure Controls/Personal Protection

EXPOSURE LIMITS: When mists can occur: 5 mg/m³ – OSHA PEL & ACGIH TLV 10 mg/m³ – ACGIH STEL

VENTILATION: Use adequate general or local exhaust ventilation to keep airborne concentrations below exposure limits.

RESPIRATORY: No special requirements under normal use with adequate ventilation. Otherwise, an NIOSH/MSHA approved full-face respirator with supplied air if the recommended for high airborne concentrations.

SKIN: Use Viton or Nitrile gloves to avoid prolonged or repeated skin contact. If contact with forearms is likely, long-sleeve shirts or gauntlet style gloves are recommended. Launder contaminated clothing before reuse.

EYE: Use splash goggles or face shield where splashing is expected or can occur.

NOTE: Contains mineral oil. Avoid generation of mists. Practice good personal hygiene, such as washing after handling and before eating, drinking, and/or smoking.

Section 9: Physical and Chemical Properties

Physical State.....	Liquid
Freezing/Melting Point.....	-51°F(-46°C)
Vapor Pressure.....	Not Determined
Vapor Density (Air=1).....	Not Determined
Evaporation Rate.....	Not Determined
Solubility in Water.....	Negligible
Specific Gravity (Water=1).....	0.8550
Density, lb./gal.....	7.119
Volatility (Volume).....	Unknown
VOC.....	Unknown
pH.....	Not Determined
Coefficient of Water/Oil Distribution.....	Not Determined
Odor.....	Aromatic, Hydrocarbon Odor
Odor Threshold.....	Not Determined
Appearance.....	Brown Transparent Colored Liquid
Viscosity, cSt @ 100°C.....	14.6
Viscosity, cSt @ 40°C.....	87.1

AMSOIL Material Safety Data Sheet

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Viscosity Index.....176

Section 10: Stability and Reactivity

STABILITY: Stable under moderately elevated temperatures and pressures.

INCOMPATIBILITY: Avoid contact with strong oxidants.

POLYMERIZATION: Hazardous polymerization will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: oxides of carbon, nitrogen, sulfur, and metal, smoke, fume, aldehydes, ketones, and other products of combustion.

Section 11: Toxicological Information

ACUTE EXPOSURE

Eye Irritation: Moderate to strong eye irritation. Based on data from components or similar material.

Skin Irritation: May cause skin irritation with prolonged exposure. Based on data from components or similar material.

Respiratory Irritation: If material is misted or if vapors are generated from heating, exposure may cause irritation of mucous membranes and the upper respiratory tract similar to that observed with mineral oil. Based on data from components or similar materials. Under good industrial hygiene practices where all exposure limits are observed, respiratory irritation should not be a problem.

CHRONIC EXPOSURE

Chronic Toxicity: No data available to indicate product present at greater than 1.0% are chronic health hazards.

Carcinogenicity: No data available to indicate product present at greater than 0.1% are a carcinogenic hazard.

Mutagenicity: No data available to indicate product present at greater than 1.0% present a mutagenic or genotoxic hazard.

Reproductive Toxicity: No data available to indicate product present at greater than 1.0% present a reproductive hazard.

Teratogenicity: No data available to indicate product present at greater than 1.0% present a teratogenic hazards.

Section 12: Ecological Information

No data available on the adverse effects of this product on the environment.

Section 13: Disposal Considerations

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

Section 14: Transport Information

This product is not classified as hazardous material for DOT shipping. For further information relative to spills resulting from transportation incidents, refer to the latest DOT Emergency Response Guidebook for Hazardous Materials.

Section 15: Regulatory Information

U.S. Federal Regulations

- OSHA Table Z..... Synthetic Base Stock (mist)
- TSCA..... All Components Listed
- CERCLA 40 CFR 302.4 Not Applicable
- SARA Title III
 - Section 302 Extremely Hazardous Not Applicable
 - Section 311/312
 - Fire Hazard Yes
 - Reactive Hazard No
 - Release of Pressure No
 - Acute Health Hazard Yes
 - Chronic Health Hazard No
 - Section 313 Toxic Chemical Not Applicable

U.S. State Regulations

California Proposition 65

This product does not contain any impurities known to the state of California to cause cancer and/or birth defects.

International Regulations

WHMIS..... All components listed

Section 16: Other Information

The information and recommendations contained herein are, to the best of AMSOIL’s knowledge and belief, accurate and reliable as of the date issued. AMSOIL makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and AMSOIL shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with AMSOIL’s interpretation of the available data.