



MATERIAL SAFETY  
DATA SHEET

AMOCO LDO ALL-SEASON MOTOR OIL SAE 10W-30

MSDS NO: 02002147

MANUFACTURER/SUPPLIER:  
Amoco Oil Company  
200 East Randolph Drive  
Chicago, Illinois 60601

EMERGENCY HEALTH INFORMATION: (800) 447-8735  
EMERGENCY SPILL INFORMATION: (800) 424-9300  
CHEMTREC, U.S.A.  
OTHER PRODUCT SAFETY INFORMATION: (312) 856-3907

IMPORTANT COMPONENTS: Solvent refined paraffinic petroleum oil (CAS 64741-88-4).  
Zinc dialkyl dithiophosphate (ZDDP).

WARNING STATEMENT: Continuous long-term contact with used motor oil has caused skin cancer in animal tests. Avoid prolonged skin contact with used motor oils.

HMS/NFPA CODES:(HEALTH;0)(FLAMMABILITY;1)(REACTIVITY;0)

APPEARANCE AND ODOR: Pale to light red colored oily liquid.

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HEALTH HAZARD INFORMATION

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EYE

EFFECT: No significant irritation expected.

FIRST AID: Flush eyes with plenty of water.

PROTECTION: None required; however, use of eye protection is good industrial practice.

SKIN

EFFECT: None expected for single short-term exposures. Prolonged or repeated contact may produce some irritation.

FIRST AID: None required for unused motor oil. Contact with used motor oil, wash exposed skin thoroughly with soap and water.

PROTECTION: Wear protective clothing and impervious gloves when working with used motor oils.

INHALATION

EFFECT: None expected under normal conditions of use.

FIRST AID: Not applicable.

PROTECTION: None required for normal conditions of use.

INGESTION

EFFECT: Expected to be relatively non-toxic.

FIRST AID: If a large amount is swallowed, induce vomiting. Get medical attention.

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FIRE AND EXPLOSION INFORMATION

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FLASHPOINT: 400°F, Minimum (COC)

EXTINGUISHING MEDIA: Agents approved for Class B hazards (e.g., dry chemical, carbon dioxide, halogenated agents, foam, steam) or water fog.

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REACTIVITY INFORMATION

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STABILITY: Stable.

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CHEMICAL AND PHYSICAL PROPERTIES

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SOLUBILITY IN WATER: Negligible, below 0.1%.

SPECIFIC GRAVITY (WATER = 1): 0.88

VISCOSITY: 60-63 SUS @ 210°F. VISCOSITY INDEX: 127 minimum

POUR POINT: -25°F maximum

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STORAGE AND ENVIRONMENTAL PROTECTION

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STORAGE REQUIREMENTS: No special requirements.

SPILLS AND LEAKS: Treat as an oil spill. Contain and remove by mechanical means.

WASTE DISPOSAL: Disposal must be in accordance with applicable federal, state, or local regulations. Enclosed-controlled incineration is recommended unless directed otherwise by applicable ordinances.

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TOXICOLOGICAL INFORMATION

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EYE: Maximum primary eye irritation score 4.0/11.0 (24 hrs., rabbits).

SKIN: Primary dermal irritation score 1.3/8.0 (rabbits). Dermal LD50 greater than 2 g/kg (rabbits). Practically nontoxic for acute exposures by this route. Not a skin sensitizer.

INGESTION: Acute oral LD50 greater than 5 g/kg (rats). Practically non-toxic for acute exposures by this route.

**CAUTION!**

Continuous long-term contact with used motor oils has caused cancer in animal tests.

In case of contact, wash exposed skin thoroughly with soap and water or use waterless hand cleaners to remove used motor oils from skin. Do not use gasoline, thinners, or solvents.

Wear protective clothing and impervious gloves when working with used motor oils. Remove oil-soaked clothing, including shoes, and thoroughly clean and dry before reuse.

This product contains a zinc dialkyl dithiophosphate (ZDDP) component. The ZDDP in this product is judged not to present a significant risk to human health when good personal hygiene is observed.

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TOXICOLOGICAL INFORMATION - CONTINUED

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Repeated dermal exposure to ZDDPs have produced severe skin irritation in rabbits which resulted in reduced food consumption and substantial body weight loss. Testicular atrophy was seen in these rabbits, and appeared to be a consequence of the substantial body weight loss. ZDDPs have also been found to be mutagenic in some tests; however, this activity has been attributed to the zinc constituent. Zinc is ubiquitous in the environment and an essential nutrient. Further, it is generally accepted that zinc does not present a mutagenic or carcinogenic risk to humans.

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REGULATORY INFORMATION

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CERCLA REPORTABLE QUANTITY:

This product is not reportable under 40 CFR Part 302.4.

DOT PROPER SHIPPING NAME: Not regulated.

OSHA HAZARD COMMUNICATION STANDARD: Not hazardous per 29 CFR 1910.1200(d).

RCRA STATUS:

This product is not subject to the 40 CFR Part 268.30 land ban on the disposal of certain hazardous wastes.

SARA STATUS:

This product is not regulated under SARA Title III, 42 USC 9601.

TSCA STATUS: All of the components of this product are listed on the TSCA Inventory.


TRUCK/RAIL SHIPPING CLASS: Petroleum Lubricating Oil.

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ISSUE INFORMATION

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BY:



G. I. Bresnick, Director  
Product Stewardship & Toxicology

ISSUED: April 13, 1989  
SUPERSEDES: January 10, 1989

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This material safety data sheet and the information it contains is offered to you in good faith as accurate. We have reviewed any information contained in this data sheet which we received from sources outside our company. We believe that information to be correct but cannot guarantee its accuracy or completeness. Health and safety precautions in this data sheet may not be adequate for all individuals and/or situations. It is the user's obligation to evaluate and use this product safely and to comply with all applicable laws and regulations. No statement made in this data sheet shall be construed as a permission or recommendation for the use of any product in a manner that might infringe existing patents. No warranty is made, either express or implied.