



Safety Data Sheet

Cadco Hydraulic Oils

SECTION 1: PRODUCT AND COMPANY INFORMATION

Manufacturer Cadillac Oil Company, 13650 Helen, Detroit, Michigan 48212 · (313) 365-6200

Trade Name(s) AW-32, AW-46, AW-68, AW-320, X-100, X-150, X-200, X-250, X-300, X-400, X-500, X-600, X-750, X-900, X-1000, X-1100, X-1500, X-1600, X-1700, X-2200, X-2300, X-2400, O4C-243, O4C-478, O4C-899, O4C-904, MC-240, ZF 150, ZF 200

Recommended Uses Lubricant and Power Transfer

24-Hour Emergency Phone Number, Chem-Tel: (800) 255-3924

SECTION 2: HAZARD IDENTIFICATION

EMERGENCY OVERVIEW					
		HMIS			
GHS Classification		HEALTH	1		
Physical Hazards	Not Classified	FLAMMABILITY	1		
		PHYSICAL HAZARD	0		
Health Hazards	See below	PERSONAL PROTECTION	See Section 8		
Signal Word	WARNING				

Eye Damage/Irritation Category 2B – Causes eye irritation.

Skin Corrosion/Irritation Not Classified

Precautionary Statements

Wash hands thoroughly after handling. Wear eye or face protection.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

If eye irritation persists: Get medical advice or attention.

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Percentage
Petroleum oil	64742-65-0	>90

SECTION 4: FIRST AID MEASURES

Skin Contact Remove contaminated clothing. Wash area of contact with soap and water. Wash clothing before reuse. Get medical attention if irritation persists.

Eye Contact Remove contact lenses. Flush with water until all traces of material are gone. Eyelids should be held away from the eyeball to ensure thorough rinsing. Get medical attention if irritation persists.

Inhalation Remove affected person from source of exposure. Get medical attention if discomfort persists.

Ingestion Not a likely route of exposure. Do not induce vomiting because of danger of aspiration into lungs. If spontaneous vomiting occurs, monitor for breathing difficulty. Get medical attention.

SECTION 5: FIREFIGHTING MEASURES

Basic Firefighting Procedures

Treat as an oil fire. Do not use a water jet. Use water spray, dry chemical, foam or CO₂ to extinguish fire. Use a water spray to cool fire-exposed containers, structures and to protect personnel. Exposed firefighters should wear MSHA/NIOSH approved self-contained breathing apparatus with full-face mask and full protective equipment. Flush spills away from sources of ignition.

Unusual Fire and Explosion Hazards

Combustible at high temperatures. Irritating or toxic substances may be emitted.



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SECTION 6: ACCIDENTAL RELEASE MEASURES

Refer to Section 8: Exposure Control and Personal Protection

Emergency Action

Isolate release area and keep unnecessary people away. Exercise caution regarding personnel safety and exposure.

Spill/Leak Procedure

Floor and surfaces may be slippery. Dike with sand or other noncombustible material. Flush area with water provided runoff does not enter drain or sewer; use absorbent material and dispose of properly.

Notification Any spill or release to navigable water that causes a visible sheen upon the water must be reported immediately to the National Response Center (800/424-8802), as required by U.S. federal law.

SECTION 7: HANDLING AND STORAGE

Refer to Section 8: Exposure Control and Personal Protection

Handling Wear proper protective equipment. Avoid contact with skin, eyes and clothing. Avoid breathing vapors or mists. Do not ingest. For industrial use only. Use good hygiene practices when handling product, including changing and laundering work clothes after use. Get medical attention if you are exposed and feel unwell. The shipping and storage container is not designed to be pressurized. Do not use pressure to empty the container as it may rupture with explosive force. Containers should be completely drained, properly closed, and promptly returned to a drum reconditioner or disposed of properly. Empty containers may contain residue or vapors. Do not cut, grind, drill, weld or reuse containers.

Storage Store product in closed containers in a well-ventilated area away from heat, sources of ignition and incompatibles. Do not store in unlabeled containers. Empty containers may contain residue or vapors.

SECTION 8: EXPOSURE CONTROL AND PERSONAL PROTECTION

Component	ACGIH TLV	OSHA PEL
Petroleum oil	5 mg/m ³	5 mg/m ³

Engineering Controls

Use appropriate ventilation to maintain airborne concentration limits below recommended exposure limits.

Eye and Face Protection

Wear safety glasses; use face shield if splashing is possible.

Skin Protection

Oil resistant gloves should be used to avoid repeated contact.

Respiratory Protection

Not normally needed. A NIOSH or MSHA approved respirator should be used in areas with high vapor concentrations or oil misting.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Physical State	Amber liquid	Flash Point (°F/°C)	>300 °F
Specific Gravity (Water=1)	See Data Sheet	Upper/Lower Flammability Limits (Vol. %)	Not Determined
pH	Not Applicable	Auto-ignition Temperature (°F/°C)	Not Determined
Solubility in Water	Negligible	Decomposition Temperature (°F/°C)	Not Determined
Odor	Petroleum	Vapor Pressure (kPa at 20°C / 68°F)	Not Determined
Odor Threshold	Not Determined	Vapor Density (Air=1)	>1
Melting/Freezing Point (°F/°C)	Not Determined	Partition Coefficient (n-octanol/water)	Not Determined
Boiling Range (°F/°C)	Not Determined	Viscosity (40°C mm ² /s) or (cSt at 40°C)	See Data Sheet
Initial Boiling Point (°F/°C)	Not Determined	Critical Temperature	Not Determined

Note: Physical and chemical properties are provided for safety, health and environmental considerations only and may not fully represent product specifications. Those should be requested separately.



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SECTION 10: STABILITY AND REACTIVITY

Reactivity	Does not react under normal conditions of use.
Chemical Stability	Stable under normal conditions of use.
Stability/Incompatibility	Avoid contact with strong oxidizers.
Conditions to Avoid	Open flame or sources of ignition.
Hazardous Reactions/Decomposition Products	Does not decompose under normal conditions; combustion may produce CO, CO ₂ , volatile hydrocarbons and other possibly toxic gases.

SECTION 11: TOXICOLOGICAL INFORMATION

Likely Routes of Exposure	Inhalation, skin, eyes
Acute Effects	LD ₅₀ and LC ₅₀ not determined. Excessive contact, inhalation or ingestion may cause irritation or discomfort. Refer to Sections 2 and 4 for recommended actions.
Medical conditions aggravated by long term exposure	Eye, skin and respiratory disorders.
Chronic Effects	Any acute symptoms may be aggravated. Refer to Sections 2 and 4 for recommended actions.
Symptoms	May include redness, drying, cracking of the skin, gastrointestinal and respiratory discomfort. Refer to Sections 2 and 4 for recommended actions.
Carcinogenicity	No components of this product are found to be carcinogens by NTP, IARC or OSHA.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity	Not Determined.
Persistence and Biodegradability	Not Determined
Bioaccumulative Potential	Not Determined
Mobility in Soil	Not Determined

SECTION 13: DISPOSAL CONSIDERATION

Dispose of this product in compliance with all applicable federal, state and local regulations.

SECTION 14: TRANSPORT INFORMATION

DOT	Not Regulated
UN Proper Shipping Name/Number	Not Regulated

SECTION 15: REGULATORY INFORMATION

Chemical Inventory Lists	All ingredients are listed on TSCA and DSL
SARA (311/312) Reportable Hazard Categories	None

SECTION 16: OTHER INFORMATION

Notice The information presented herein is based on data considered to be accurate as of the date of preparation of this Safety Data Sheet. However, no warranty or representation, expressed or implied, is made as to the accuracy or completeness of the foregoing data and safety information, nor is any authorization given or implied to practice any patented invention without a license. In addition, no responsibility can be assumed by the vendor for any damage or injury resulting from abnormal use, from failure to adhere to recommended practices, or from any hazards inherent in the nature of the product.

This SDS complies with the requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Prepared By Cadillac Oil Co. Laboratory