

MATERIAL SAFETY DATA SHEET (SUBSTITUTES FOR OSHA FORM 174): May be used to comply with OSHA's Hazard Communication Standard, 29 CFR 1910.1200.

SECTION I IDENTITY: Premium Anti-Wear/Anti-Leak Hydraulic Oil

Manufacturer's Name: Chem And Lube
Address: 1901 South 12th Street, Allentown, PA 18103-4777
Emergency Phone No. (610) 798-9222
Product Name: **Premium Anti-Wear/Anti-Leak Hydraulic Oil**
Chemical Name: Mixture
Chemical Family: Petroleum Hydrocarbon plus additives
Product Use: Hydraulic fluid
Date Prepared: 6/17/97
NFPA: Health - 1; Flammability - 1; Reactivity - 0
HMIS: Health - 1; Flammability - 1; Reactivity - 0

SECTION II - PRECAUTIONARY INFORMATION

Product contacting eyes may cause irritation. Prolonged and/or repeated skin contact may cause irritation. Inhalation of mist or vapor may cause irritation.

SECTION III - HAZARDOUS INGREDIENTS/IDENTITY INFORMATION

This Material Safety Data Sheet (MSDS) has been prepared under guidelines in OSHA Hazard Communication Standard 29 CFR 1910.1200.

COMPONENTS	OSHA PEL	OSHA TWA	ACGIH TLV-TWA	ACGIH TLV-STEL	CAS #
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Distillates (petroleum), hydrotreated heavy paraffinic	5mg/m3*	5mg/m3*	5mg/m3*	10mg/m3*	64742-54-7
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heavy paraffinic

+ total dust

* oil mist

n/e - not established

None of the components of this product at concentrations greater than or equal to 0.1% are listed as a carcinogen or potential carcinogen by NTP, IARC, OSHA.

This product is a mixture not tested as a whole for toxicity. Based on available component toxicological data, acute oral LD50 is expected to be > 5 g/kg.

SECTION IV - HEALTH HAZARD DATA

PRIMARY ROUTE(S) OF ENTRY

Eye: Skin: X Inhalation: Ingestion:

ACUTE EFFECTS OF OVEREXPOSURE

EYES: Product contacting the eyes may cause eye irritation.

SKIN: Prolonged and/or repeated contact tends to remove skin oils, possibly leading to irritation and dermatitis.

INGESTION: Do not induce vomiting. Small amounts aspirated into lungs during ingestion or vomiting may cause mild to severe pulmonary injury.

INHALATION: Not expected to be a route of exposure due to low volatility of product. At elevated temperatures, vapors or mists may be produced.

CHRONIC EFFECTS OF OVEREXPOSURE

Prolonged and/or repeated contact may cause skin irritation.

MEDICAL CONDITIONS WHICH MAY BE AGGRAVATED BY EXPOSURE

No specific information available.

SECTION V - FIRST AID

SKIN: Remove any contaminated clothing. Wash thoroughly for 15 minutes with soap and water. If irritation occurs, get medical attention.

EYES: Immediately flush with plenty of water for 15 minutes or until irritation subsides. If irritation persists, get medical attention.

INGESTION: Do not induce vomiting. Get medical attention.

INHALATION: Vapor pressure is very low. Vapor inhalation under ambient conditions is improbable under normal conditions. If overcome by vapor from hot product, immediately remove from exposure to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing, give oxygen. Get medical attention.

SECTION VI - EMPLOYEE PROTECTION

RESPIRATORY: None under normal conditions. NIOSH - approved supplied air respirator when exposed to mists or vapor from heated material.
VENTILATION: Mechanical (general) is satisfactory. Provide ventilation sufficient to prevent exceeding recommended exposure limit.
HANDS: Oil impervious gloves, if needed, to avoid prolonged or repeated skin contact.
EYES: Splash goggles or face shield when eye contact may occur.
OTHER: Avoid contact with skin and eyes. Wash thoroughly after handling.

SECTION VII - PHYSICAL / CHEMICAL CHARACTERISTICS

APPEARANCE AND ODOR: Amber color; mild petroleum odor.
BOILING POINT: Not determined
SPECIFIC GRAVITY (H₂O = 1) 0.88
VAPOR PRESSURE (mm Hg): < 1 mm Hg @ 20° C
VAPOR DENSITY (Air = 1): > 5
MELTING POINT: Not applicable
PHYSICAL FORM: Liquid
SOLUBILITY IN WATER: Negligible
EVAPORATION RATE (Butyl acetate = 1): < 0.01

SECTION VIII - REACTIVITY

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: Hydrogen Sulfide, Oxides of carbon, phosphorus, sulfur, zinc
HAZARDOUS POLYMERIZATION: Will not occur.
STABILITY: Stable.
INCOMPATIBILITY: Avoid contact with strong oxidizing agents such as liquid chlorine, concentrated oxygen, sodium hypochlorite, etc.

SECTION IX - FIRE AND EXPLOSION DATA

FLASH POINT (COG): (OF BASE OIL) 430° F (221° C)
FLAMMABLE LIMITS (approx. % by vol. in air):
LEL Not determined UEL: Not determined
EXTINGUISHING MEDIA: Foam, dry chemical, carbon dioxide or water spray.
SPECIAL FIRE FIGHTING PROCEDURES: Use air-supplied breathing equipment for enclosed areas.
UNUSUAL FIRE AND EXPLOSION HAZARDS: None indicated.

SECTION X - SPILL OR LEAK PROCEDURES

Recover free product. Contain any spill to prevent entry to sewers or streams. Add sand, earth or suitable absorbent to spill area. Transfer to closed container.

SECTION XI - WASTE DISPOSAL METHODS

Not classified as a hazardous waste under RCRA. Dispose of in accordance with all applicable local, state and federal regulations. Use licensed waste oil disposal contractor, remove to regulated landfill or incinerate in an approved facility.

SECTION XII - PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING

Store in closed containers away from heat or open flames. Do not store with oxidizing agents.

SECTION XIII - REGULATORY INFORMATION

All components of this product are listed on the TSCA inventory.
This product does not contain any SARA Title 3 Section 313 and 40 CFR 372 reportable chemicals.