



Safety Data Sheet

Product: All-Season Hydraulic Oil

Section 1: Identification

Product Identifier: All-Season Hydraulic Oil
SDS Number: 2133214
Grades: 32, 46, 68, 100, AG
Product description: Petroleum oil, lube oil, lubricant
Intended Use: For lubricating hydraulic system
Emergency Health and Safety Number: FOR TRANSPORT EMERGENCY call CHEMTREC: (+1) 703-527-3887 (outside the U.S.), 1-800-424-9300 (in the U.S.)

Manufacturer: ZXP Technologies
409 E Wallisville Rd
Highlands, TX 77562

SDS Information: Phone: 281-426-8800
Email: techservices@zxpotech.com
URL: www.zxpotech.com

Customer Service: 281-426-8800

Section 2: Hazards Identification

Classified Hazards
This material is not hazardous under the criteria of the Federal OSHA Hazard Communication Standard 29CFR 1910.1200.

Hazard(s) Not Otherwise Classified
Repeated exposure may cause skin dryness or cracking

Label Elements

No classified hazards

Section 3: Composition / Information on Ingredients

Component	CAS	Concentration ¹
Base Oil – Highly Refined Hydrotreated Heavy Paraffinic distillate	64742-54-7	95-99%
Additive Package	Mixture	1-5%

Component Related Regulatory Information: *Supplier advises that this is a trade secret

Section 4: First Aid Measures

Eye Contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention if needed.

Skin Contact: Wash with plenty of soap and water. Get medical attention if needed.

Inhalation (Breathing): Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.

Ingestion (Swallowing): Immediately call a POISON CENTER or doctor/physician.

Most Important Symptoms/Effects

Acute: No information on significant adverse effects.

Delayed: No information on significant adverse effects.

Indication of Immediate Medical Attention and Special Treatment Needed, If Needed: Treat symptomatically and supportively. Call 1-800-468-1760 for additional information.

Section 5: Fire-Fighting Measures

NFPA 704 Hazard Class

Health: 1 Flammability: 1 Instability: 0

0 (Minimal)
1 (Slight)
2 (Moderate)
3 (Serious)
4 (Severe)

Suitable Extinguishing Media: Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing.

Unsuitable Extinguishing Media: Do not use high-pressure water streams.

Specific hazards arising from the chemical: Negligible fire hazard. Avoid friction, static electricity and sparks.

Hazardous Combustion Products: Decomposition and combustion materials may be toxic. Burning may produce sulfur oxides, aldehydes, ketones, carbon monoxide, and unidentified compounds.

Special protective equipment for firefighters: A positive-pressure, self-contained breathing apparatus (SCBA) and full-body protective equipment are required for fire emergencies.

Fire Fighting Measures: Move container from fire area if it can be done without risk. Keep storage containers cool with water spray. Heated containers may rupture or be thrown into the air. "Empty" containers may retain residue and can be dangerous. Product is not sensitive to mechanical impact.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Wear personal protective clothing and equipment, see Section 8. Avoid release to the environment.

Methods and material for containment and cleaning up: Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if possible without personal risk. Wear protective equipment and provide engineering controls as specified in Section 9: Exposure Controls/Personnel Protection. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and void breathing vapor or mist. Contain spill as a liquid for possible recovery, or sorb with compatible sorbent material and shovel with a clean, spark proof tool into a sealable container for disposal. Additionally, for large spills: Dike far ahead of liquid spill for collection and later disposal.

There may be specific federal regulatory reporting requirement associated with spills, leaks, or releases of this product. Also see Section 15: Regulatory Information.

Section 7: Handling and Storage

Precautions for safe handling: Keep away from sparks or flame. Where flammable mixtures may be present, equipment safe for such locations should be used. Use clean tools and explosion-proof equipment. When transferring large volumes of product, metal containers, including trucks and tank cars, should be grounded and bonded. These products have low vapor pressure and is not expected to present an inhalation hazard under normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, do not breathe vapor or mist. Use in a well ventilated area. Avoid contact with eyes, skin, clothing, and shoes.

Conditions for safe storage, including any incompatibilities: Keep container tightly closed when not in use and during transport. Store containers in a cool, dry place. Store locked up. Do not pressurize, cut, weld, braze, solder, drill, or grind containers. Keep containers away from heat, flame, sparks, static electricity, or other sources of ignition. Empty product containers may retain product residue and can be dangerous.

Incompatibilities: Strong oxidizing materials.

Section 8: Exposure Controls / Personal Protection

Component Exposure Limits: ACGIH, OSHA, and NIOSH have not developed exposure limits for any of this product's components.

Appropriate Engineering controls: Where adequate general ventilation is unavailable, use process enclosures, local exhaust ventilation, or other engineering controls.

Individual protective measures, such as Personal Protective Equipment: Personal protective equipment should be selected based upon the conditions under which this material is used. A hazard assessment of the work area for PPE requirements should be conducted by a qualified professional pursuant to regulatory requirements. The following PPE should be considered the minimum required: Safety glasses, gloves and lab coat or apron.

Eye/face Protection: Safety glasses with side shields should be worn at a minimum. Additional protection, such as goggles, face shields, or respirators may be needed depending upon anticipated use and concentrations of vapors or mists. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Contact lens use is not recommended.

Skin protection: Where skin contact is likely, wear neoprene, or equivalent protective gloves; use of natural rubber or equivalent gloves is not recommended.

Respiratory protection: No respiratory protection is normally required. Use NIOSH-certified P- or R- series particulate filter and organic vapor cartridges when concentration of vapor or mist exceeds applicable exposure limits. Protection provided by air purifying respirators is limited. Do not use N-rated respirators. Selection and use of respiratory protective equipment should be in accordance in the USA with OSHA General Industry Standard 29 CFR 1910.134; or in Canada with CSA Standard Z94.4. Consult with a health and safety professional for specific respirators appropriate for your use.

Section 9: Physical and Chemical Properties

Appearance: Amber, red, green or blue

Physical Form: Liquid

Odor: Petroleum

Odor Threshold: Not available

pH: Not available

Melting Point: Not available

Boiling Point/Boiling Range: 475F (246C)

Flashpoint: 329F (165C)

Burning time: Not available

Burning rate: Not available

Evaporation rate: Not available

Lower explosion limit: Not available

Upper explosion limit: Not available

Vapor pressure: <0.1 mmHg at 68F

Vapor density: Not available

Water solubility: Insoluble

Density: 7.3 lb/us gal (880 g/l)

Partition coefficient (n-octanol/water): Not available

Viscosity: >20.5 mm²/s @ 104F (40C)

Auto-ignition temperature: Not available

Decomposition temperature: Not available

Specific Gravity: 0.88 (water = 1)

Section 10: Stability and Reactivity

Reactivity: No reactivity hazard is expected

Chemical stability: Stable under normal temperatures and pressures.

Possibility of hazardous reactions: Will not polymerize.

Conditions to avoid: Avoid sparks, flames, or other sources of ignition

Incompatible materials: Avoid oxidizing agents.

Hazardous decomposition products: None under normal temperatures and pressures.

Section 11: Toxicological Information

Toxicity Data and Information

Component Analysis – LD50/LC50

Highly Refined Hydrotreated Heavy Paraffinic Distillate (64742-54-7)

Dermal LD50 Rabbit >4480 mg/kg; Oral LD50 Rat >2000 mg/kg

Aspiration Hazard: There is no data available

Ingestion: May be harmful if swallowed

Skin Corrosion/Irritation: May cause slight skin and respiratory irritation.

Serious Eye Damage/Irritation: No information on significant adverse effects.

Skin Contact: Repeated exposure may cause skin dryness or cracking

Respiratory Sensitization: No information available for the product.

Specific Target Organ Toxicity (Single Exposure): No information on significant adverse effects.

Specific Target Organ Toxicity (Repeated Exposure): No information on significant adverse effects.

Carcinogenicity: None of this product's components are listed by ACGIH, IARC, OSHA, NIOSH, or NTP

Germ Cell Mutagenicity: No information available for the product.

Reproductive Toxicity: No epidemiological data is available for this product.

Medical Conditions aggravated by Exposure: Individuals with pre-existing respiratory tract (nose, throat, and lungs), eye, and/or skin disorders may have increased susceptibility to the effects of exposure.

Section 12: Ecological Information

GHS Classification:

No classified hazards

Ecotoxicity: Toxic to aquatic life

Component Analysis – Ecotoxicity – Aquatic Toxicity

Highly Refined Hydrotreated Heavy Paraffinic distillate (64742-54-7)

Duration/Test/Species	Concentration/Conditions
96 Hr LC50 Brachydanio rerio	79.6 mg/L (semi-static)
96 Hr LC50 Pimephales promelas	3.2 mg/L (semi-static)

Persistence and degradability: There is no data available

Bioaccumulative potential: There is no data available

Mobility in Soil: There is no data available

Other Adverse Effects: No additional information available for the product.

Section 13: Disposal Considerations

Disposal methods: Dispose in accordance with federal, state, provincial, and local regulations. Regulations may also apply to empty containers. The responsibility for proper waste disposal lies with the owner of the waste. These products, if discarded, are not expected to be a characteristic or listed hazardous waste. If recycled as used oil in the USA, they can be managed in accordance with the used oil exemption under 40 CFR Part 279. Processing, use or contamination by the user may change the waste code(s) applicable to the disposal of these products.

Section 14: Transport Information

Emergency Response Guide Number

Not applicable

DOT Shipping Name: Not regulated as a hazardous material

TDG Shipping Name: Not regulated as a dangerous good.

Section 15: Regulatory Information

Volatile Organic Compounds (as regulated)

Negligible, as per 40 CFR Part 51.000(s)

Federal Regulations

SARA 302/304

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "extremely hazardous substances" listed pursuant to Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) Section 302 or Section 304 as identified in 40 CFR Part 355, Appendix A and B.

SARA 311/312 Hazardous Categories

Acute Health: No Chronic Health: No Fire: No Pressure: No Reactive: No

SARA 313

Component Analysis

This product contains a "toxic" chemical subject to the requirements of section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA) and 40 CFR Part 372.

Phosphorodithioic acid, O, O-di-C1-14-alkyl esters, zinc salts (68649-42-3) 1.0% de minimis concentration (related to Zinc compounds)

CERCLA

Component Analysis

Based on the ingredient(s) listed in SECTION 3, this product does not contain any "hazardous substance" listed under the Comprehensive Environmental Response, Compensation and Liability Act of 1980 (CERCLA) in 40 CFR Part 302, Table 302.4.

TSCA Inventory

All the components of these products are listed on, or are automatically included as "naturally occurring chemical substances" on, or are exempted from the requirement to be listed on, the TSCA Inventory.

U.S. State Regulations

The following components appear on one or more of the following state hazardous substances lists:

Component	CAS	MA	MN	NJ	PA	CA
Distillate (Petroleum, Hydrotreated Heavy Paraffinic)	64742-54-7	NO	No	Yes	Yes	No

No component(s) are listed under the California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65).

All components comply with the following chemical inventory requirements: AICS (Australia), DSL (Canada), EINECS

(European Union), IECSC (China), KECI (Korea), PICCS (Philippines), ENCS (Japan)

Section 16: Other Information

Date of Issue:	Previous Issue Date:	SDS Number:	Status:
02-02-2024	none	2133210	FINAL

Guide to Abbreviations:

ACGIH = American Conference of Governmental Industrial Hygienists; CASRN = Chemical Abstracts Service Registry Number; CEILING = Ceiling Limit (15 minutes); CERCLA = The Comprehensive Environmental Response, Compensation, and Liability Act; EPA = Environmental Protection Agency; GHS = Globally Harmonized System; IARC = International Agency for Research on Cancer; INSHT = National Institute for Health and Safety at Work; IOPC = International Oil Pollution Compensation; LEL = Lower Explosive Limit; NE = Not Established; NFPA = National Fire Protection Association; NTP = National Toxicology Program; OSHA = Occupational Safety and Health Administration; PEL = Permissible Exposure Limit (OSHA); SARA = Superfund Amendments and Reauthorization Act; STEL = Short Term Exposure Limit (15 minutes); TLV = Threshold Limit Value (ACGIH); TWA = Time Weighted Average (8 hours); UEL = Upper Explosive Limit; WHMIS = Worker Hazardous Materials Information System (Canada)

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