



SAFETY DATA SHEET

Rev. Date: 5/11/2015
SDS #: AEHYXX

AERO EP Hydraulic Oil

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: AERO EP Hydraulic Oil ISO 32, 46, 68

Alternate Trade Names: Petroleum Lubricant

Primary Use: Industrial Oil

MANUFACTURER

HAJ Inc. dba Christenson Oil

PO Box 10424

Portland, OR 97296-0424

(503) 478-9905 Telephone

(800) 553-8739 Toll Free

24 HR EMERGENCY CONTACT NUMBER

CHEMTREC (US TRANSPORTATION)

1-800-424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS

Physical Hazards:

Not Classified

Health Hazards:

Signal Word:

Hazard Statement:

GHS Symbol:

No Symbol

Precautionary Statements:

Prevention

P280 Wear Protective gloves, clothing, eye protection, face protection

P264 Wash contaminated are of the body thouroughly after handling

Response

P302+P352 IF ON SKIN: Wash with soap and water

P305-+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do, continue rinsing.

P363 Wash contaminated clothing before reuse

P337+P332+P313 If skin/eye irritation occurs: Get medical advice/attention

Storage



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P402+P404 Store in a dry place. Store in a closed container

P403 Store in a well ventilated place

Disposal

P501 Dispose of contents/container with compliance to federal, state and local regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Synonyms:

Formula: Mixture

Molecular Weight: Variable

Component	CAS Number	Concentration
Base Lubricating Oils Mixture		90% - 99%
R&O Inhibitor / AW Agent (Trade Secret)		1% - 3%
Pour Point Depressant (Trade Secret)		<2.0 %

Comments: []

4. FIRST AID MEASURES

Eyes:

Move individual away into fresh air. Immediately flush eyes with large amounts of fresh water and continue flushing until irritation subsides. Seek medical advice/attention.

Inhalation:

If breathing difficulty exists, remove individual away from exposure and into fresh air. Seek medical attention. If breathing remains difficult, administer oxygen, keep person warm and quiet and seek immediate attention.

Skin:

Remove contaminated clothing. Wash contaminated area repeatedly with soap and water. Do not reuse clothing until thoroughly laundered. Seek medical attention for persistent irritation.

Ingestion:

Seek medical attention. If individual is drowsy or unconscious, do not give anything by mouth, place individual on the left side with head down and call emergency contacts. Contact a physician, medical facility or poison control center for advice about whether to induce vomiting. Do not leave individual unattended.

Skin Injection:

If product is injected into or under skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated by a physician as a surgical emergency. Even though initial symptoms from a high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of the injury.

5. FIREFIGHTING MEASURES



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Flammable Class:

Combustible Liquid Class IIIB

Extinguishing Media:

Use drym chemical, foam, carbon dioxide (CO₂) or water spray or fog.

Hazards From Combustion:

Carbon monoxide, carbon dioxide, aldehydes, hydrocarbons, oxides of sulfur, nitrogen, phosphorus and other oxides may be products of combustion.

Explosion Hazards:

When heated above the flashpoint this material emits flammable vapors which, when mixed with air, can burn or be explosive.

Fire Fighting Procedures:

Clear Fire are on all non-emergency personnel. Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive pressure, NIOSH approved, self-contained breathing apparatus. Containers exposed to intense heat from fires should be cooled with large quantities of water to prevent weakening on container structure which could result in container rupture.

Fire Fighting Equipment:

The use of SCBA is recommended for firefighters

6. ACCIDENTAL RELEASE MEASURES

Small Spill:

Stop leak if without risk. Move containers from the spill area. Use spark-proof tools and explosion-proof equipment. Dilute with water and mop up if water-soluble. Alternatively, or if water-insoluble, absorb with an inert dry material and place in appropriate waste disposal container. Dispose of via a licensed waste disposal contractor.

Large Spill:

Stop leak if without risk. Move containers from the spill area. Use spark-proof tools and explosion-proof equipment. Approach release from upwind. Prevent entry into sewrs, water courses, basements or confined areas. Wash spillages into an effluent treatment plant or proceed as follows. Contain and collect spillage with non-combustible absorbent material e.g. sand, earth, coir, vermiculite, or diatomaceous earth and place in container for disposal according to local regulations. Dispose of via a licensed waste disposal contractor. Contaminated absorbent material may pose the same hazard as the spilled product.

Water Spill:

Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform the relevant authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

General Procedures:



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Remove all sources of ignition and provide ventilation. Wear protective clothing as given in section 8. Dike area to contain spill. Take precautions as necessary to prevent contamination of ground and surface waters. Recover spilled material with absorbent, such as coir, sawdust or vermiculite and sweep into containers for disposal using non-sparking equipment. Do not flush to sewer. If area of spill is porous, remove as much contaminated earth and gravel, etc. as necessary and place in closed containers for proper disposal.

7. HANDLING AND STORAGE

General Procedures:

Keep away from heat, sparks and flame. Surfaces that are hot may ignite even liquid product in the absence of spark or flame. Extinguish pilot lights, cigarettes and turn off other sources of ignition prior to use and until all vapors are gone.

Handling:

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist. Wash hands thoroughly with soap and water after handling.

Storage:

Store in a cool, dry, ventilated area with acid resistant floors and good drainage. Protect from physical damage. Keep out of direct sunlight and away from heat, water and incompatible materials. Do not wash out container and use it for other purposes.

Storage Temperature:

Keep away from heat, sparks, and flame. Keep away from sources of ignition. Store in a cool, dry, well-ventilated area away from incompatible substances. Flammables-area.

Incompatibilities:

Strong oxidizing agents, acids, halogens.

Comments:

KEEP OUT OF REACH OF CHILDREN. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

OSHA Final: (PEL)

Contains no substances with occupational exposure limits.

American Conference of Governmental Industrial Hygienists (ACGIH) Threshold Limit Value (TLV)

5.00 mg/m³ suggested for oil mist.

Personal Protective Equipment

Eyes and Face:



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Not required under normal use. If material is handled in such that it could be splashed or misted into eyes, wear plastic face shield or splash resistant safety goggles or glasses with side shields.

Skin:

Wear resistant gloves (consult your safety equipment supplier). To prevent repeated or prolonged skin contact, wear impervious clothing and boots.

Respiratory:

If exposure may or does exceed occupational exposure limits (se. 8) use a NIOSH approved respirator to prevent overexposure. In accord with 29 CFR 1910.134 use either an atmosphere-supplying respirator or an air-purifying respirator for organic vapors.

Protective Clothing:

Where splashing is possible, full chemically resistant protective clothing (e.g. acid suit) and boots are required.

Work Hygiene practices:

Use good personal hygiene when handling this product. Wash hands after use, before eating, drinking, smoking, or using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Appearance: Clear

Color: Pale Yellow

Odor: Mild Petroleum Odor

pH: No data available

Percent Volatile: Negligible

Flashpoint: 210°C (410°F)

Flammable Limits: No data available

Autoignition Temperature: No data available

Vapor Pressure: <0.01 mmHg @ 37.8°C (100°F)

Vapor Density: No data available

Boiling Point: <800°F

Freezing Point: No data available

Melting Point: No data available

Solubility in Water: Soluble in hydrocarbons, emulsifies in water

Evaporation Rate: Not determined

Density: Not determined



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Specific Gravity: 0.87

(VOC): No data available

10. STABILITY AND REACTIVITY

Reactivity:

May react with strong oxidizing agents

Chemical Stability:

Stable under normal temperatures and pressures

Possibility of Hazardous Reactions:

Under normal conditions of storage and use hazardous reactions will not occur

Conditions to Avoid:

Avoid heat, sparks, flame and contact with strong oxidizing agents.

Hazardous Decomposition Products:

None reported

Incompatible Materials:

Heat, flame and other ignition sources

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity

No data available

Acute Inhalation Toxicity

No data available

12. ECOLOGICAL INFORMATION

Biodegradability: No data available

Bioaccumulation: No data available

Toxicity to fish: No data available

Toxicity to daphnia and other aquatic invertebrates: No data available

Toxicity to algae: No data available

Toxicity to bacteria: No data available

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method:

All disposals must comply with federal, state and local regulations. Refer to state and local regulations. Do not dump into sewers, ground, or any body of water.



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Empty Container:

KEEP OUT OF REACH OF CHILDREN. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut weld, braze, solder, drill, grind, or expose such containers to heat, flame, sparks, static electricity, or other sources of ignition; they may explode and cause injury or death.

RCRA/EPA Waste Information

Chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. US EPA guidelines for the classification determination are listed in 40 CFR. Additionally, waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification.

14. TRANSPORT INFORMATION

UN Number:	Not dangerous/hazardous goods
UN Proper Shipping Name:	Not dangerous/hazardous goods
Transport Hazard Class:	Not dangerous/hazardous goods
Primary Hazard Class/Division:	Not dangerous/hazardous goods
Packing Group:	Not dangerous/hazardous goods
Environmental Hazards:	Not dangerous/hazardous goods
US DOT Road/Rail/Waterways:	Not dangerous/hazardous goods
Transport Canada Road/Rail/Waterways:	Not dangerous/hazardous goods
International Maritime Dangerous Goods:	Not dangerous/hazardous goods

15. REGULATORY INFORMATION:

The regulatory information is not intended to be comprehensive. Other regulations may apply to this material.

EINECS: All components listed

DSL: All components listed

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA Inventory requirements under CFR 40 CFR 720.30.

SARA Hazard Categories:

No SARA 311/312 Hazards

California Safe Drinking Water and Toxic Information Act (Proposition 65)

This material does contain anychemicals know to the State of Claifornia to cause cancer, birth defects or other reproductive harm.



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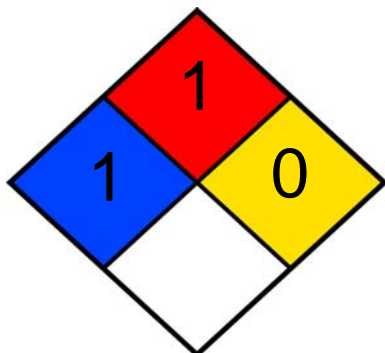
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NFPA Hazard Classification

Health: 1
Flammability: 1
Reactivity: 0

HMIS Classification:

Health: 1
Flammability: 1
Physical Hazards: 0
Personal Protection: B



HEALTH	1
FLAMMABILITY	1
PHYSICAL HAZARD	0
PERSOANL PROTECTION	B

16. OTHER INFORMATION

The information accumulated herein is believed to be accurate. However, neither HAJ, Inc. nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information provided herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described within, we cannot guarantee that these are the only hazards which exist. HAJ Inc. assumes no responsibilities for injuries from the use of the product described herein.