SAFETY DATA SHEET

CONFORMS TO OSHA HAZARD COMMUNICATION STANDARD (HCS) 29 CFR 1910.1200

Revision Date 5/21/2018
Supersedes Date 5/15/2017

SECTION 1. IDENTIFICATION

Product identifier: **JAX Premium Hydraulic Oil ISO 32; JAX Premium Hydraulic Oil ISO 46; JAX Premium Hydraulic Oil ISO 68; JAX Premium Hydraulic Oil ISO 100; JAX Premium Hydraulic Oil ISO 150**

Part number: 44032; 44046; 44068; 44100; 44150

Identified uses: Lubricant where there is no possibility of contact with food

Uses advised against: Not for use where there is the possibility of contact with food. Other uses advised against may be specified elsewhere in this SDS.

Supplier:
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Non-emergency contact: Phone: 262-781-8850 Fax: 262-781-3906

Emergency telephone: **INFOTRAC:**
North America 1-800-535-5053 **Australia** 1-300-366-961 **Germany** 0800-181-2926
International 011-1-352-323-3500 (collect) **China** 400-120-0761

SECTION 2. HAZARD(S) IDENTIFICATION

Classification: While this material is not considered hazardous by the OSHA Hazard Communication Standard (29 CFR 1910.1200), this SDS contains valuable information critical to the safe handling and proper use of the product. This SDS should be retained and available for employees and other users of this product.

Label elements

PIctograms: Not applicable

Signal word: Not applicable

Hazard statements: Not applicable

Precautionary statements: Not applicable

Hazards not otherwise classified: Not applicable.

Additional information: Not applicable.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Composition:

Chemical name	%	CAS #	Impurities
White mineral oil (petroleum)	70-99	8042-47-5	None
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	<1	4259-15-8	None
2,6-di-tert-butylphenol	<1	128-39-2	None

SECTION 4. FIRST-AID MEASURES

First aid measures

Eye contact: Remove contact lenses, if wearing, and flush eyes with water for at least 15 minutes or until irritation subsides. If irritation persists, consult a physican.

Skin contact: Remove clothing and shoes, if contaminated. Wash skin with soap and water. Wash or clean contaminated clothing before reuse and discard oil-soaked shoes. If irritation persists, consult a physician.

Ingestion: If swallowed, DO NOT induce vomiting. As a precaution, give the person a glass of water to drink and seek medical attention. Never give anything by mouth to an unconscious person. Consult a physician.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention immediately.

Most important symptoms and effects, No further relevant information available.

both acute and delayed:

Indication of any immediate medical attention and special treatment available: No further relevant information available.

General information: No further relevant information available.

SECTION 5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Extinguishing media include dry chemical, alcohol foam, and carbon dioxide. Do not use direct stream of water. Water may be used to keep fire-exposed containers cool.

Unsuitable extinguishing media: Do not use direct stream of water.

Specific hazards: Pressure build-up due to heat exposure may cause containers to rupture. Use water spray to keep containers cool.

Advice for firefighters: Firefighters should wear full protective gear, including helmet. Use supplied-air breathing equipment for enclosed or confined space or as otherwise needed.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: In the event of a spill or accidental release, notify relevant authorities in accordance with all applicable regulations. Keep away from ignition sources. Wear protective equipment. Keep unprotected persons away.

Environmental precautions: Prevent entry into sewers, waterways or confined areas by diking or impounding. Dike far ahead of spill for later recovery and disposal. Advise authorities if the product has entered or may enter sewers, watercourses, or extensive land areas.

Methods for containment and cleaning up

Land spill: Stop leak if you can do so without risk. Recover free product using non-sparking tools. Add sand, earth, or other suitable absorbent material to the spill area. Recover by pumping or with suitable absorbents. Dispose of in accordance with national and/or local regulations relating to waste disposal.
Water spill: Stop leak if you can do so without risk. Confine the spill immediately with booms. Remove from the surface by skimming or with suitable absorbents. Seek the advice of a specialist before using dispersants.

SECTION 7. HANDLING AND STORAGE

Precautions for safe handling: Keep away from heat and direct sunlight. Ensure good ventilation/exhaustion at the workplace.

Conditions for safe storage, including any incompatibilities: Store in a cool, dry place in tightly sealed containers. Store out of direct sunlight. Do not store near heat, sparks, open flame, pilot lights, static electricity, or other sources of ignition. Do not store where temperature may exceed 49°C (120°F). Store away from oxidizing agents. Rotate stock.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Workplace exposure limits:

Chemical name	Exposure limit and source
White mineral oil (petroleum)	5 mg/m³ (oil mist), TWA, ACGIH
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	Not available
2,6-di-tert-butylphenol	Not available

Exposure controls

Engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentration of vapors below their respective occupational exposure limits.

Ventilation: Use in a well-ventilated area. See Engineering Controls.

Personal hygiene: Wash skin thoroughly after contact, before breaks and meals and at the end of the work period. Product is readily removed from skin by waterless hand cleaners followed by washing thoroughly with soap and water.

Eye protection: Chemical splash goggles or face shield in compliance with OSHA regulations are advised when eye contact may occur.

Hand protection: Any lined non-permeable rubber gloves.

Respiratory protection: Use with adequate ventilation. Respiratory protective equipment is not normally required where there is adequate natural or local exhaust ventilation to control exposure. In case of insufficient ventilation, wear suitable respiratory equipment. A NIOSH/MSHA-approved air-supplied respirator is advised in absence of proper environmental control.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance / odor: Clear to amber colored lube oil with little or no

Upper flammability limit: Not available

	odor	**Lower flammability limit:**	Not available
Physical state:	Liquid	**Vapor pressure:**	Not available
Odor threshold:	Not available	**Vapor density:**	Not available
pH:	Not available		
Melting / freezing point:	Not available	**Relative density:**	0.85-0.89 (typical)
Initial boiling point and boiling range:	Not available	**Solubility in water:**	Not available
Flash point:	403°F (206°C) min., ASTM D 92	**Partition coefficient (n-octanol/water):**	Not available
Evaporation rate:	Not available	**Autoignition temperature:**	Not available
		Decomposition temperature:	Not available
Flammability (solid, gas):	Not applicable	**Viscosity:**	Not available

SECTION 10. STABILITY AND REACTIVITY

Reactivity: Not reactive under normal conditions.

Chemical stability: Stable under recommended conditions.

Possibility of hazardous reactions: Hazardous reactions are not expected to occur.

Conditions and materials to avoid: Avoid contact with heat, open flames, and oxidizing agents.

Hazardous decomposition products: Carbon monoxide, carbon dioxide, oxides of sulfur, oxides of phosphorus, oxides of zinc, aldehydes, hydrogen sulfide, alkyl mercaptans, smoke and irritating vapors as products of incomplete combustion.

SECTION 11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Eye contact: No known significant effects or critical hazards.

Skin contact: No known significant effects or critical hazards.

Inhalation: No known significant effects or critical hazards.

Ingestion: No known significant effects or critical hazards.

Component information:

Components	LD_{50}	LC_{50}
White mineral oil (petroleum)	>5000 mg/kg (oral, rat)	Not available
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	Not available	Not available
2,6-di-tert-butylphenol	Not available	Not available

Information on physical, chemical and toxicological effects

Symptoms: See Section 4 of this SDS for symptoms.

Delayed and immediate effects, and chronic effects, from short and long-terms exposure

Effects: No further relevant information available.

Carcinogenicity: This product does not contain a carcinogen or potential carcinogen as listed by NTP or IARC.

Numerical measures of toxicity: Not determined

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity: Not available

Component information:

Components	$L(E)C_{50}$
White mineral oil (petroleum)	Not available
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	Not available
2,6-di-tert-butylphenol	Not available

Persistence and degradability: Not determined

Bioaccumulative potential:	Not determined
Mobility in soil:	Not available
Other adverse effects:	Not determined

SECTION 13. DISPOSAL CONSIDERATIONS

Waste treatment methods: Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal. Consult national or regional authorities for proper disposal and reporting procedures.

SECTION 14. TRANSPORTATION INFORMATION

Dangerous goods descriptions may not reflect package size, quantity, end-use or region-specific exceptions that can be applied to shipments. Consult shipping documents for material-specific descriptions.

	Proper Shipping Name:	UN Number:	Hazard Class:	Packing Group:	Remarks:
U.S. D.O.T.	Not regulated	None	None	None	None
ADR/RID	Not regulated	None	None	None	None
IMDG	Not regulated	None	None	None	None
IATA	Not regulated	None	None	None	None

SECTION 15. REGULATORY INFORMATION

U.S. Federal Regulations

SARA Section 302 Extremely Hazardous Substances: This product contains greater than 1.0% of the following chemical(s) on the SARA Extremely Hazardous Substances List:
None

SARA Section 304 CERCLA Hazardous Substances: Release of the following chemical(s) at quantities equal to or greater than the reportable quantities (RQ), is subject to reporting to the National Response Center under CERCLA:
None

SARA Section 313 Toxic Chemicals: This product contains the following chemical(s) listed in Section 313 at or above the de minimis concentrations:
<0.5% Zinc compounds

TSCA Inventory: All components are either listed or exempted from listing on the TSCA Inventory.

U.S. State Regulations

California Proposition 65 Status: This product does not contain chemical(s) known to the State of California to cause cancer, birth defects, or other reproductive harm.

California Proposition 65 Listed Components: Not applicable

International Regulations

Canada: This product has been classified in accordance with the hazard criteria of WHMIS 2015 and the SDS contains all of the information required by those regulations.

Japan MITI: Not available

Australia: Not available

Switzerland: Not available

SECTION 16. OTHER INFORMATION

Sections Revised: Section 15

Revision Date: 5/21/2018

The information and recommendations contained herein are, to the best of JAX INC's knowledge and belief, accurate and reliable as of the date issued. JAX INC makes no warranty or guarantee, expressed or implied, of their accuracy or reliability, and JAX INC shall not be liable for any loss or damage based upon the criteria supplied by the developers of these rating systems, together with JAX INC's interpretation of the available data.

*** END OF SDS ***