



MAJOR BRANDS LUBRICANTS

Anti Wear Hydraulic Fluid ISO 46

SAFETY DATA SHEET

SECTION 1

CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product/Chemical Name: Anti Wear Hydraulic Fluid ISO 46
Product Description: Hydraulic Fluid
Use of substance/mixture: Hydraulic Fluid
Details of the supplier: Major Brands Oil Company
462 West 23rd Street, Holland, MI 49423
616-392-5936
www.majorbrandsoil.com

Date Prepared: 10/17/2014

EMERGENCY PHONE NUMBERS
USA Chemtrec 800-424-9300 24 hrs
International Chemtrec 703-527-3887

SECTION 2

HAZARDOUS IDENTIFICATION

GHS-US Classification
Classification of Mixture:

Not Classified
Full text of H-phrases: *see section 16*

GHS-US Labelling

Pictograms:
Signal Word:
Hazard Statements:
Precautionary statements:

Not Required
Not Hazardous
None Required
P273 - Avoid release to the environment
P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations.

Other Hazards:

The mixture consists of substances capable of producing an aspiration hazard. Aspiration may result in chemical pneumonia (fluid in the lungs), severe lung damage, respiratory failure, and even death.

No data available for unknown acute toxicity:

9.73% of the mixture consists of ingredients(s) of unknown acute toxicity

SECTION 3

COMPOSITION / INFORMATION ON INGREDIENTS

Substances:

Not applicable

Mixture:

Ingredient

CAS No.

Wt. Range %

GHS-US Classification

Petroleum distillates,

Solvent dewaxed:

64742-65-0

75.75 - 95, 64-85

Not Classified

Heavy Paraffinic distillates,

petroleum, hydrotreated

heavy paraffinic :

64742-54-7

0-11, 10-17

Not Classified

Phosphorodithioic acid,

O, O-di-C1-14-alkyl esters,

zinc salts:

68649-42-3

0.7-2.7

Aquatic Chronic 3, H402

**The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret within the meaning of the OSHA Hazard Communication Standard {29 CFR 1910.1200}*

**More than one of the ranges of concentration prescribed by Controlled Products Regulations has been used where necessary due to varying composition.*

Full text of H-phrases: see section 16



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SECTION 4

FIRST AID MEASURES

Description of First Aid Measures

General:	Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label if possible.)
Inhalation:	Remove to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if breathing difficulty persists.
Skin Contact:	Remove contaminated clothing. Drench affected area with water or soap and water for at least 15 minutes. Wash contaminated clothing before reuse. Obtain medical attention if irritation develops or persists.
Eye Contact:	Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.
Ingestion:	Do NOT induce vomiting. Rinse mouth. Immediately call a Poison Center or doctor/physician.

Most Important Symptoms and Effects Both Acute and Delayed

General:	No known significant effects or critical hazards.
Inhalation:	Overexposure may be irritating to the respiratory system.
Skin Contact:	Repeated or prolonged skin contact may cause irritation.
Eye Contact:	Direct contact with the eyes is likely irritating.
Ingestion:	Ingestion is likely to be harmful or have adverse effects.
Chronic Symptoms:	No known significant effects or critical hazards.

Indication of ANY immediate medical attention and special treatment needed

If you feel unwell, seek medical advice (show the label where possible.)

SECTION 5

FIRE-FIGHTING MEASURES

Extinguishing Media:	Use extinguishing media appropriate for surrounding fire.
Unsuitable extinguishing Media:	Do not use a heavy water stream. May spread fire.
Unusual Fire or Explosion Hazards:	Not flammable but will support combustion. Product is not explosive.
Reactivity:	Hazardous reactions will not occur under normal conditions.
Fire-Fighting Instructions:	Exercise caution when fighting any chemical fire. Under fire conditions, hazardous fumes will be present. Use water spray or fog for cooling exposed containers.
Fire-Fighting Equipment:	Do not enter fire area without proper protective equipment, including respiratory protection.
Hazardous Combustion Products:	Under fire conditions, may produce fumes, smoke, oxides of carbon and hydrocarbons.
Other Information:	Refer to section 9 for flammability properties.

SECTION 6

ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures: For Non-Emergency Personnel:	Avoid all contact with skin, eyes, or clothing. Avoid breathing (vapor, mist, spray)
Emergency Procedures: For Emergency Personnel Protective Equipment:	Use appropriate personal protection equipment (PPE)
Emergency Procedures:	Evacuate unnecessary personnel
Emergency Procedures:	Equip cleanup crew with proper protection.
Emergency Procedures:	Stop leak if safe to do so. Eliminate ignition sources. Ventilate area.



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Environmental Precautions: Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters.

Methods and Material for Containment and Cleaning Up

For Containment: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.

Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Spills should be contained with mechanical barriers. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

Reference to other Sections: See Section 8. Exposure controls and personal protection. For further information refer to Section 13

SECTION 7

HANDLING AND STORAGE

Handling Precautions: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapor. Minimum feasible handling temperatures should be maintained.

Storage Requirements: Keep only in the original container. Empty containers that may contain product residue and may be dangerous. Keep container closed when not in use. Store in a dry, cool and well-ventilated place. Keep container away from open flames, strong acids, strong bases and oxidizing agents. Do not store near food.

Incompatible Materials: Strong acids, Strong bases, strong oxidizers.

SECTION 8

EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters: For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), NIOSH (REL), OSHA (PEL), Canadian provincial governments, or the Mexican government.

Personal protection: Avoid all unnecessary exposure. Wear gloves and safety glasses.



Ventilation: Normal to maintain exposure below TLV

Respiratory Protection: Supplied air respiratory protection for cleaning large spills or upon entry into tanks, vessels, or other confined spaces. Use a NIOSH approved organic vapor and gas respirator with mist filter.

Eye Protection: Chemical type goggles or face shield optional.

Protective

Clothing/Equipment: Wear chemically protective gloves, boots, aprons, and gauntlets to prevent prolonged or repeated skin contact. Wear protective eyeglasses or chemical safety goggles.

Work and Hygienic Practices: Exposed employees should exercise reasonable personal cleanliness; this includes cleansing exposed skin area several times daily with soap and water and laundering or dry cleaning soiled work clothing at least weekly.

Safety Stations: Make emergency eyewash stations, safety/quick-drench showers, and washing facilities available in work area.

Contaminated Equipment: Separate contaminated work clothes from street clothes. Launder before reuse. Remove this material from your shoes and clean personal protective equipment.

Comments: Never eat, drink, or smoke in work areas. Practice good personal hygiene after using this material, especially before eating, drinking and smoking, using the toilet, or applying cosmetics.



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SECTION 9

PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor:	Amber liquid with a mild Hydrocarbon odor
pH:	Not available
Relative evaporation rate (butylacetate=1):	Not available
Boiling Point (760 mm Hg):	Not available
Freezing/Melting Point:	Not available
Flash Point:	204°F
Auto-ignition temperature:	Not available
Specific Gravity (water =1):	0.85
Vapor Density (air =1):	No data available
Percent Volatile by Volume:	Not available
Evaporation Rate (butyl acetate =1):	Not determined
Solubility in Water (% by wt):	Negligible
Vapor Pressure (at 20°C):	Not available
Viscosity SUS @ 100°F:	No data available
Explosive limits:	Product is not explosive

SECTION 10

STABILITY AND REACTIVITY

Stability:	Stable under recommended handling and storage conditions (see section 7)
Reactivity:	Hazardous reactions will not occur under normal conditions.
Polymerization:	Does not occur
Chemical Incompatibilities:	Normally unreactive, but try to avoid strong oxidizers, strong acids and strong bases at high temperatures.
Conditions to Avoid:	Direct sunlight, extremely high or low temperatures, heat, hot surfaces, sparks, open flames, incompatible materials, and other ignition sources
Hazardous decomposition products:	No decomposition expected under normal use and storage conditions.

SECTION 11

TOXICOLOGICAL INFORMATION

Information on Toxicological Effects - Product

Acute Toxicity:	Not Classified
LD50 and LC50 Data:	Not available
Skin Corrosion/Irritation:	Not classified
Eye Damage/Irritation:	Not classified
Respiratory or Skin Sensitization:	Not classified
Germ Cell Mutagenicity:	Not classified
Teratogenicity:	Not classified
Carcinogenicity:	Not classified
Specific Target Organ Toxicity (Repeated Exposure):	Not classified
Aspiration Hazard:	Not classified
Symptoms/Injuries After Inhalation:	Overexposure may be irritating to the respiratory system
Symptoms/Injuries After Skin Contact:	Repeated or prolonged skin contact may cause irritation.
Symptoms/Injuries After Eye Contact:	Direct contact with the eyes is likely irritating.



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Symptoms/Injuries

After Ingestion:

Ingestion is likely to be harmful or have adverse gastrointestinal effects.

Chronic Symptoms:

Not classified

Information on Toxicological Effects - Ingredient(s)

LD50 and LC50 Data:

Heavy paraffinic, Distillates, petroleum, hydrotreated heavy paraffinic:

64742-54-7 (CAS)	LD50 Oral - Rat	> 2000 mg/kg
	LD50 Dermal - Rabbit	> 2g/kg

Petroleum distillates, solvent dewaxed:

64742-65-0 (CAS)	LD50 Oral - Rat	> 5000 mg/kg
	LD50 Dermal - Rabbit	>5 g/kg

SECTION 12

ECOLOGICAL INFORMATION

Toxicity:

Toxic to aquatic life

Bioaccumulative Potential:

Not available

Mobility in Soil:

Not available

Effect on global warming:

No known ecological damage caused by this product

Other information:

Avoid release to the environment

SECTION 13

DISPOSAL CONSIDERATIONS

**Waste Disposal Method:
Disposal Regulatory
Requirements:**

Dispose of waste in accordance with Federal, State and local laws.

Under RCRA, it is the responsibility of the user of products to determine, at the time of disposal, whether product meets RCRA criteria for hazardous waste. This is because product uses transformations, mixture, processes, etc., may render the resulting material hazardous (see waste classifications)

**Container Cleaning and
Disposal:**

Containers should be cleaned of residual product before disposal, and disposed of in accordance with all applicable laws and regulations.

SECTION 14

TRANSPORT INFORMATION

In Accordance with DOT:

Not regulated for transportation

In accordance with IMDG:

Not regulated for transportation

In Accordance with IATA:

Not regulated for transportation

In Accordance with TDG:

Not regulated for transportation

SECTION 15

REGULATORY INFORMATION

US Federal Regulations:

SARA Section 311/312 Hazard Classes - Not Classified

US State Regulations:

None Noted

International Regulations

Canada:

WHMIS Classification - Not classified

**Phosphorodithioic acid,
O, O-di-C1-41-alkyl esters,
zinc salts (68649-42-3):**

Listed on the Canadian DSL. WHMIS Classification - Class D, Division 2, Subdivision B - Toxic material causing other toxic effects



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**Petroleum distillates,
Solvent dewaxed
(64742-65-0):**

Listed on the Canadian DSL. WHMIS Classification - Uncontrolled product according to WHMIS classification criteria

**Distillates, petroleum,
hydrotreated heavy
Paraffinic (64742-54-7):**

Listed on the Canadian DSL. WHMIS Classification - Uncontrolled product according to WHMIS classification criteria

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the SDS contains all of the information required by CPR.

SECTION 16

OTHER INFORMATION

Other information:

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200

Full text of H-phrases:

P273:

Avoid release into the environment

P501:

Dispose of contents/container in accordance with local, regional, national, and international regulations.

THE INFORMATION GIVEN HEREIN IS GIVEN IN GOOD FAITH AND FROM SOURCES WE BELIEVE RELIABLE. BUT NO WARRANTY, EXPRESS OR IMPLIED, REGARDING ITS CORRECTNESS IS MADE.

The conditions or methods of handling, storage, use and disposal of this product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of this product.

This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not apply.