



J. M. Reynolds Xtreme AW HYDRAULIC OILS

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Xtreme AW Hydraulic Oils

SYNONYMS: Petroleum oil; Lube oil; Petroleum hydrocarbon; Lubricant.

PRODUCT USE: For lubricating hydraulic systems.
If this product is used in combination with other products, refer to the Safety Data Sheet for those products.

24-HOUR EMERGENCY PHONE NUMBERS MEDICAL AND TRANSPORTATION (SPILL):

These numbers are for emergency use only. If you desire non-emergency product information, please call a phone number listed below.

PERS. 1-800-633-8253

SUPPLIER: J. M. Reynolds Oil Co. Inc
395 S. Huntington St.
PO Box 315
Wabash, IN 46992
USA
1-260-563-3317

TECHNICAL INFORMATION: 1-260-563-3317
SDS ISSUE: May 9, 2019
ORIGINAL ISSUE: January 25, 2017
PREPARED BY: Product SDS Coordinator

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SECTION 2: HAZARDS IDENTIFICATION

GHS LABEL ELEMENTS

Classification in Accordance with 29 CFR 1910.1200.

Not hazardous according to classification criteria.

GHS LABEL ELEMENTS

Symbol(s): None needed according to classification criteria.

Signal Word: None needed according to classification criteria.

Hazard Statement(s): None needed according to classification criteria.

Precautionary Statement(s)

Prevention: None needed according to classification criteria.

Response: None needed according to classification criteria.

Storage: None needed according to classification criteria.

Disposal: Dispose of in accordance with all applicable federal, state and local regulations.

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

POTENTIAL HEALTH EFFECTS

INHALATION

(BREATHING):

This product is not likely to present an inhalation hazard at normal temperatures and pressures. However, when aerosolizing, misting, or heating this product, high concentrations of generated vapor or mist may irritate the respiratory tract (nose, throat, and lungs).

EYES:

May cause irritation.

SKIN:

May cause irritation. A single prolonged exposure is not likely to be absorbed through the skin in harmful amounts.

INGESTION

(SWALLOWING) :

May cause throat irritation, nausea, vomiting, and diarrhea. Breathing product into the lungs during ingestion or vomiting may cause lung injury and possible death.

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.

CHRONIC:

Prolonged or repeated inhalation of oil mist may cause oil pneumonia, lung tissue inflammation, and/or fibrous tissue formation. Prolonged or repeated eye contact may cause inflammation of the membrane lining the eyelids and covering the eyeball (conjunctivitis). Prolonged or repeated skin contact may cause drying, cracking, redness, itching, and/or swelling (dermatitis).

CANCER

INFORMATION:

No known carcinogenicity. For more information, see **SECTION 11: CARCINOGENICITY.**

POTENTIAL ENVIRONMENTAL EFFECTS

Not available. Also see **SECTION 12: ECOLOGICAL INFORMATION.**

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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

CAS #	Component	Percent
64742-58-1	Lubricating oils, petroleum, hydrotreated spent	14-99
64741-88-4	Petroleum distillates, solvent-refined heavy paraffinic	0-85
64742-57-0	Residual oils (petroleum), hydrotreated	0-85
64742-62-7	Residual oils (petroleum), solvent dewaxed	0-100
64742-01-4	Residual oils (petroleum), solvent refined	0-85
*	Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts	0.1-2
*	Mineral Oil	0.1-2

Component Related Regulatory Information:

*Supplier advises that this is a trade secret.

SECTION 4: FIRST AID MEASURES

INHALATION (BREATHING):

IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention, if needed.

EYES:

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

SKIN:

IF ON SKIN: Wash with plenty of soap and water. Get medical attention if needed.

INGESTION (SWALLOWING):

IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

NOTE TO PHYSICIANS:

Treat symptomatically and supportively. Treatment may vary with condition of victim and specifics of incident. Call [1-800-468-1760](tel:1-800-468-1760) for additional information.

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SECTION 5: FIRE FIGHTING MEASURES

HAZARDOUS COMBUSTION PRODUCTS:

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

CONDITIONS OF FLAMMABILITY:

Negligible fire hazard. Avoid friction, static electricity and sparks.

PROTECTIVE EQUIPMENT FOR FIREFIGHTERS:

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

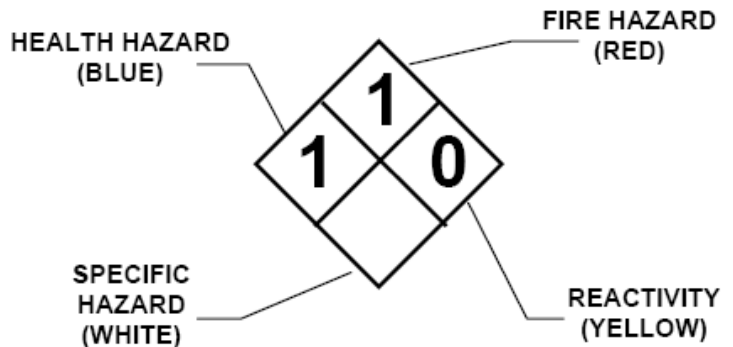
EXTINGUISHING MEDIA:

Carbon dioxide, regular foam, dry chemical, water spray, or water fog. Water or foam may cause frothing. Do not use high-pressure water streams.

NFPA 704

HAZARD IDENTIFICATION:

This information is intended solely for the use by individuals trained in this system.



FIRE FIGHTING INSTRUCTIONS:

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.

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SECTION 6: ACCIDENTAL RELEASE MEASURES

Remove all ignition sources. Do not touch or walk through spilled product. Stop leak if you can do it without risk. Wear protective equipment and provide engineering controls as specified in **SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION**. Isolate hazard area. Keep unnecessary and unprotected personnel from entering. Ventilate area and avoid breathing vapor or mist. Contain spill away from surface water and sewers. 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.

SECTION 7: HANDLING AND STORAGE

HANDLING:

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

SHIPPING AND STORING:

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

INCOMPATIBILITIES:

Strong oxidizing materials.

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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 (PPE):

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, lab coat or apron.

EYES/FACE PROTECTION:

Safety glasses with side shields should be worn at a minimum. Additional protection like goggles, face shields, or respirators may be needed dependent upon anticipated use and concentrations of mists or vapors. 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, nitrile, 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.

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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance/Odor : Amber, red, green, or blue

liquid; petroleum odor.

pH: Not applicable

Boiling Point: 475°F (246°C)

(minimum) **Odor Threshold:** Not available

Solubility (H₂O): Insoluble **Melting**

Point: Not available [pour point 21°F (-6C) (maximum)]

Density: 7.3 LB/US gal (880 g/L) (approximately)

Specific Gravity: 0.88 (water = 1) (approximately)

Evaporation Rate: Not available

Octanol/H₂O Coeff.: Not available

LFL: Not available **Auto Ignition**

Temperature: Not Available

UFL: Not available **Flash Point:** 329°F (165°C) (minimum)

Vapor Pressure: Less than 0.1 mm Hg at 68°F (20°C)

Viscosity: >20.5 mm²/s @ 104°F (40°C)

SECTION 10: STABILITY AND REACTIVITY

REACTIVITY: No reactivity hazard is expected.

CHEMICAL STABILITY: Stable under normal temperatures and pressures.

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.

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SECTION 11: TOXICOLOGICAL INFORMATION

TOXICITY DATA:

Component Analysis - LD50/LC50

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Oral LD50 Rat: >2000 mg/kg

Dermal LD50 Rat: >2000 mg/kg

Dermal LD50 Rabbit: >4480 mg/kg

Residual oils (petroleum), solvent dewaxed (64742-62-7)

Inhalation LC50 Rat: 2.18 mg/L/4H

Oral LD50 Rat: >5000 mg/kg

Dermal LD50 Rabbit: >2000 mg/kg

Information on Likely Routes of Exposure

Inhalation

No information on significant adverse effects.

Ingestion

May be harmful if swallowed.

Skin Contact

Repeated exposure may cause skin dryness or cracking.

Eye Contact

No information on significant adverse effects.

Immediate Effects

No information on significant adverse effects.

Delayed Effects

No information on significant adverse effects.

Irritation/Corrosivity

May cause slight skin and respiratory irritation.

Respiratory Sensitization

No information available for the product.

Skin Sensitization

No information available for the product.

Carcinogenicity

Component 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.

Teratogenicity

No information available for the product.

Reproductive Effects

No epidemiological data is available for this product.

Specific Target Organ Effects - Single Exposure

No information on significant adverse effects.

Specific Target Organ Effects - Repeated Exposure

No information on significant adverse effects.

Aspiration Hazard

No data available.

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.

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SECTION 12: ECOLOGICAL INFORMATION

ECOTOXICITY:

Component Analysis - Ecotoxicity - Aquatic Toxicity

Lubricating oils, petroleum, hydrotreated spent (64742-58-1)

Test & Species		Conditions
96 Hr LC50 Brachydanio rerio	79.6 mg/L	[semi-static]
96 Hr LC50 Pimephales promelas	3.2 mg/L	[semi-static]

Residual oils (petroleum), solvent dewaxed (64742-62-7)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	>5000 mg/L	
48 Hr EC50 Daphnia magna	>1000 mg/L	

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts (68649-42-3)

Test & Species		Conditions
96 Hr LC50 Pimephales promelas	1.0 – 5.0 mg/L (static)	
96 Hr LC50 Pimephales promelas	10.0 – 35.0 mg/L (semi-static)	
48 Hr EC50 Daphnia magna	1 - 1.5 mg/L	

PERSISTANCE/DEGRADABILITY:

No information available for the product.

BIOACCUMULATION/ACCUMULATION:

No information available for the product.

MOBILITY IN ENVIRONMENTAL MEDIA:

No information available for the product.

OTHER ADVERSE EFFECTS:

No additional information available.

OCTANOL/WATER

SECTION 13: DISPOSAL CONSIDERATIONS

DISPOSAL:

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. Contact Safety-Kleen regarding proper recycling or disposal.

This product, if discarded, is not expected to be a characteristic or listed hazardous waste. If recycled in the USA, this product 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.

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SECTION 14: TRANSPORT INFORMATION

DOT: Not regulated as a hazardous material

TDG: Not regulated as a dangerous good

EMERGENCY RESPONSE Not applicable.

GUIDE NUMBER:

SECTION 15: REGULATORY INFORMATION

Volatile Organic Compounds (As REgulated)

Negligible As per 40 CFR Part 51.100(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 Reactive: No

SARA Section 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.

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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.

Component Analysis

Component CAS # TSCA

Lubricating oils, petroleum, hydrotreated spent 64742-58-1 Yes

Residual oils (petroleum), solvent dewaxed 64742-62-7 Yes

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts 68649-42-3 Yes

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

Phosphorodithioic acid, O,O-di-C1-

14-alkyl esters, zinc salts (related to:

Zinc compounds)

68649-42-3 Yes¹ No No Yes¹ Yes¹

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

Canadian Regulations

Component Analysis

Component CAS # CAN

Lubricating oils, petroleum, hydrotreated spent 64742-58-1 DSL

Residual oils (petroleum), solvent dewaxed 64742-62-7 DSL

Phosphorodithioic acid, O,O-di-C1-14-alkyl esters, zinc salts 68649-42-3 DSL

Canadian WHMIS Information/Component Analysis

Not regulated.

SECTION 16. OTHER INFORMATION

REVISION INFORMATION:

Corrected error is percentages listed in Section 3.

LABEL/OTHER INFORMATION:

Not available

User assumes all risks incident to the use of this (these) product(s). To the best of our knowledge, the information contained herein is accurate. However, J. M. Reynolds Oil Co. Inc. assumes no liability whatsoever for the accuracy or completeness of the information contained herein. No representations or warranties, either express or implied, or merchantability, fitness for a particular purpose or of any other nature are made hereunder with respect to information or the product to which information refers. The data contained on this sheet apply to the product(s) as supplied to the user.