

Product Name: MXP AW 32, 46, 68, 100

Revision Date: 1/24/2014

(Material) Safety Data Sheet

SECTION 1 PRODUCT AND COMPANY IDENTIFICATION

Product Use: Hydraulic Oil **Synonyms:**

MXP AW 32	MXP AW 68
MXP AW 46	MXP AW 100

Company Identification

Maxum Petroleum Corporation, DBA Maxum Petroleum

19501 South Santa Fe Avenue

Rancho Dominguez, CA 90221

United States of America

<http://www.generalpetroleum.com>

<http://www.pilotlogistics.com/safety-and-environment>

Contact Information

Phone: (310) 356-2655

customer.service@maxumpetroleum.com

Transportation

Phone: (310) 356-2741

Emergency Response

CHEMTREC: (800) 424-9300

Health Emergency

Dial 911

SECTION 2 COMPOSITIONS/ INFORMATION ON INGREDIENTS

Component	CASRN	Concentration (% wt.)
Base Oil Highly Refined heavy paraffinic	64742-54-7	80 – 95
Base Oil Highly Refined light paraffinic	64742-55-8	80 – 95
HYDRAULIC Oil Additive Package	Confidential	5 – 20

SECTION 3 HAZARDS IDENTIFICATION

IMMEDIATE HEALTH EFFECTS OVERVIEW

CAUTION WHEN USING THIS PRODUCT, SAFE WORK PRACTICES AND HAZWOPER TRAINING ARE EXPECTED TO BE FOLLOWED WHEN USING THIS PRODUCT.

Eye: May cause eye irritation.

Skin: May cause irritation and repeated exposure can lead to dry skin and/or dermatitis. Prolonged exposure may be harmful to internal organs if absorbed through the skin.

Ingestion: May be harmful if swallowed and most likely will lead to gastrointestinal irritation (Cramps) and Diarrhea.

Inhalation: May cause respiratory irritation, wheezing, coughing, and feeling like you just lubricated your lungs if inhaled. Contains a petroleum-based mineral oil, may cause respiratory irritation or other pulmonary effects following prolonged or repeated inhalation of oil mist at airborne levels above the recommended mineral oil mist exposure limit. Symptoms of respiratory irritation may include coughing and difficulty breathing.

SECTION 4 FIRST AID MEASURES

Eye: Immediately flush eyes with water for at least 16 minutes. Be sure to remove contact lenses if you're wearing them. Get medical attention if symptoms occur.

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Skin: Immediately use soap and water on the affected area. Remove and Discard contaminated clothing and shoes. Get medical attention if symptoms occur.

Ingestion: Do not induce vomiting and if dangerous amounts of this material have been swallowed contact your doctor immediately. As a precaution, get medical advice.

Inhalation: If exposed to excessive levels of the material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

SECTION 5 FIRE FIGHTING MEASURES

FIRE CLASSIFICATION:

OSHA Classification (29 CFR 1910.1200): Not classified by OSHA as flammable or combustible.

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0

FLAMMABLE PROPERTIES:

Flashpoint: D93 Pensky-Martens Closed Cup > 200 °C (392 °F)

Auto-ignition: No Data Available

Flammability (Explosive) Limits (% by volume in air): Lower: Not Applicable Upper: Not Applicable

EXTINGUISHING MEDIA:

Use of fog, foam, dry chemical or carbon dioxide (CO₂), and/or water to extinguish flames is suggested.

PROTECTION OF FIRE FIGHTERS:

Fire Fighting Instructions: This material will burn although it is not easily ignited. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

Combustion Products: Highly dependent on combustion conditions. A complex mixture of airborne solids, liquids, and gases including carbon monoxide, carbon dioxide, and unidentified organic compounds will be evolved when this material undergoes combustion.

SECTION 6 ACCIDENTAL RELEASE MEASURES

NOTE: ACCIDENTAL RELEASE DOES NOT INCLUDE A KNOWN LEAK. IT IS RECOMMENDED TO HAVE IT REPAIRED BEFORE USING THIS PRODUCT.

Protective Measures: Eliminate sources of ignition in vicinity of spilled material.

Spill Management: Stop the source of the release without risking injury to yourself if at all possible. Prevent contamination of soil, surface water or groundwater by setting up a barrier or containment ditch. While cleaning up spill observe precautions in Exposure Controls/Personal Protection guide. Use your HAZWOPER training appropriately. Apply non-combustible absorbent materials and/or intrinsically safe pumping where feasible and appropriate. Remove contaminated soil, and place contaminated materials in disposable containers and dispose of in a manner consistent with applicable state and federal regulations.

Reporting: Report spills to local authorities and/or the
U.S. Coast Guard's National Response Center: (800) 424-8802

SECTION 7 HANDLING AND STORAGE

Precautionary Measures: Keep out of the reach of children. IF YOU HAVE KNOWN LEAK IT IS RECOMMENDED TO HAVE IT REPAIRED BEFORE USING THIS PRODUCT.

General Handling Information: Avoid contaminating soil or releasing this material into sewage and drainage systems and bodies of water.

Static Hazard: Electrostatic charge may accumulate and create a hazardous condition when handling this material. To minimize this hazard, bonding and grounding may be necessary but may not, by

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themselves, be sufficient. Review all operations which have the potential of generating and accumulating an electrostatic charge and/or a flammable atmosphere (including tank and container filling, splash filling, tank cleaning, sampling, gauging, switch loading, filtering, mixing, agitation, and vacuum truck operations) and use appropriate mitigating procedures.

For more information, refer to OSHA Standard 29 CFR 910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or American Petroleum Institute (API) Recommended Practice 2003, 'Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents'.

Container Warnings: Container is not designed to contain pressure. Do not apply pressure to empty container or it may rupture with explosive force. Empty containers retain product residue (solid, 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. Empty containers should be completely drained, properly closed, and promptly returned to a drum reconditioning outfit or disposed of properly.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

GENERAL CONSIDERATIONS:

Consider the potential hazards of this material (see Section 3), applicable exposure limits, job activities, and other substances in the work place when designing engineering controls and selecting personal protective equipment. If engineering controls or work practices are not adequate to prevent exposure to harmful levels of this material, the personal protective equipment listed below is recommended. The user should read and understand all instructions and limitations supplied with the equipment since protection is usually provided for a limited time or under certain circumstances.

ENGINEERING CONTROLS:

Use in a well-ventilated area. Avoid creating a mist or using this product at high pressures.

PERSONAL PROTECTIVE EQUIPMENT

Eye/Face Protection: Always wear safety glasses even though no special eye protection is normally required. Where splashing is possible, wear safety goggles and/or a face shield as a good safety practice.

Skin Protection: Always wear gloves when working with this product. There is no special protective clothing required. Where splashing is possible, select protective clothing depending on operations conducted physical requirements and other substances in the workplace. Suggested materials for protective gloves include: 4H (PE/EVAL), Nitrile Rubber, Silver Shield, Viton.

Respiratory Protection: If a known mist is to be generated respiratory protection is suggested. Under normal use no respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limits for mineral oil mist. If not, wear an approved respirator that provides adequate protection from the measured concentrations of this material. For air-purifying respirators use a particulate cartridge. Use a positive pressure air-supplying respirator in circumstances where air-purifying respirators may not provide adequate protection.

Occupational Exposure Limits:

Component	OSHA PEL (United States)	ACGIH TLV (United States)	NIOSH REL (United States)
Base oil Highly Refined Petroleum (Distillates)	TWA: 5 mg/m ³ 8 hours.	TWA: 5 mg/m ³ 8 hours. Form: Inhalable Fraction	TWA: 5 mg/m ³ 10 hours. Form: Mist
			STLE: 10 mg/m ³ 15 minutes. Form: Mist

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Attention: the data below are typical values and do not constitute a specification.

Color: Amber

Physical State: Liquid

Odor: Petroleum odor

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pH: Not Applicable

Vapor Pressure <0.01 mmHg @ 100 °C (212 °F)

Vapor Density (Air = 1) >1

Boiling Point: >315 °C (599°F)

Solubility: Soluble in hydrocarbons; insoluble in water

Freezing Point: Not Applicable

Specific Gravity: 0.876 to 0.847 @ 15.6°C (60°F)/15.6°C (60°F)

Lbs/Gallon: 7.3 to 7.06

Viscosity: 8 to 18 cSt @ 100 °C (212°F)

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: This material is considered stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.

Incompatibility With Other Materials: May react with strong acids or strong oxidizing agents, such as chlorates, nitrates, peroxides, etc.

Hazardous Decomposition Products: none known any expected.

Hazardous Polymerization: Hazardous polymerization will not occur.

SECTION 11 TOXICOLOGICAL INFORMATION

IMMEDIATE HEALTH EFFECTS

Eye Irritation: The eye irritation hazard is based on evaluation of data for similar materials or product components.

Skin Irritation: The skin irritation hazard is based on evaluation of data for similar materials or product components.

Skin Sensitization: No product toxicology data available

Acute Dermal Toxicity: The acute dermal toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Oral Toxicity: The acute oral toxicity hazard is based on evaluation of data for similar materials or product components.

Acute Inhalation Toxicity: The acute inhalation toxicity hazard is based on evaluation of data for similar materials or product components.

ADDITIONAL TOXICOLOGY INFORMATION:

This product contains petroleum base oils which may be refined by various processes including severe solvent extraction, severe hydro-cracking, or severe hydro-treating. None of the oils requires a cancer warning under the OSHA Hazard Communication Standard (29 CFR 1910.1200). These oils have not been listed in the National Toxicology Program (NTP) Annual Report nor have they been classified by the International Agency for Research on Cancer (IARC) as; carcinogenic to humans (Group 1), probably carcinogenic to humans (Group 2A), or possibly carcinogenic to humans (Group 2B). These oils have not been classified by the American Conference of Governmental Industrial Hygienists (ACGIH) as: confirmed human carcinogen (A1), suspected human carcinogen (A2), or confirmed animal carcinogen with unknown relevance to humans (A3). During use in engines, contamination of oil with low levels of cancer-causing combustion products occurs. Used motor oils have been shown to cause skin cancer in mice following repeated application and continuous exposure. Brief or intermittent skin contact with used motor oil is not expected to have serious effects in humans if the oil is thoroughly removed by washing with soap and water.

SECTION 12 ECOLOGICAL INFORMATION

ECOTOXICITY

No testing has been performed by the manufacturer. However; this material should be kept out of sewage and drainage systems and all bodies of water.

ENVIRONMENTAL FATE

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This material is not expected to be readily biodegradable.

SECTION 13 DISPOSAL CONSIDERATIONS

Use material for its intended purpose and recycled when finished using. Oil collection services are available for used oil. Place contaminated materials in containers and dispose of in a manner consistent with applicable regulations. Contact your sales representative or local environmental or health authorities for approved disposal or recycling methods.

SECTION 14 TRANSPORT INFORMATION

Consult 49CFR, or appropriate Dangerous Goods Regulations, for additional description requirements (e.g., technical name) and mode-specific or quantity specific shipping requirements.

DOT Shipping Description: PETROLEUM LUBRICATING OIL, NOT REGULATED AS A HAZARDOUS MATERIAL FOR TRANSPORTATION UNDER 49 CFR

Additional Information: NOT HAZARDOUS BY U.S. DOT. ADR/RID HAZARD CLASS NOT APPLICABLE

IMO/IMDG Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER THE IMDG CODE

ICAO/IATA Shipping Description: PETROLEUM LUBRICATING OIL; NOT REGULATED AS DANGEROUS GOODS FOR TRANSPORT UNDER ICAO

SECTION 15 REGULATORY INFORMATION

EPCRA 311/312 CATEGORIES:

1. Immediate (Acute) Health Effects: NO
2. Delayed/Chronic Health Effects: NO
3. Fire Hazard: NO
4. Sudden Release of Pressure Hazard: NO
5. Reactivity Hazard: NO

REGULATORY LISTS SEARCHED:

01-1=IARC Group 1 03=EPCRA 313
01-2A=IARC Group 2A 04=CA Proposition 65
01-2B=IARC Group 2B 05=MA RTK
02=NTP Carcinogen 06=NJ RTK
07=PA RTK

No components of this material were found on the regulatory lists above.

STATE REGULATIONS:

CALIFORNIA Proposition 65:

WARNING: This product contains a chemical known to the State of California to cause cancer. Naphthalene; Arsenic

WARNING: This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm. Cadmium (non-pyrophoric); lead; Benzene

NEW JERSEY RTK Hazardous Substances:

Under the New Jersey Right-to-Know Act L. 1983 Chapter 315 N.J.S.A. 34:5A-1 et. seq., the product is to be identified as follows: PETROLEUM OIL (Motor oil)

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The following components are listed: Mineral Oil (untreated and mildly treated)

PENNSYLVANIA and MASSACHUSETTS RTK Hazardous Substances:

None of the components are listed.

WHMIS CLASSIFICATION:

This product is not considered a controlled product according to the criteria of the Canadian Controlled Products Regulations.

SECTION 16 OTHER INFORMATION

LABEL REQUIREMENTS:

CAUTION! MAY CAUSE RESPIRATORY TRACT, EYE, and SKIN IRRITATION.

Label Category: ENGINE OIL 1 - ENG1

NFPA RATINGS: Health: 0 Flammability: 1 Reactivity: 0



HMIS RATINGS: Health: 1 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme)

PPE: - Personal Protection Equipment Index recommendation Gloves and Safety Glasses

These values are obtained using the guidelines or published evaluations prepared by the National Fire Protection Association (NFPA) or the National Paint and Coating Association (for HMIS ratings).

REVISION STATEMENT: This is a revised Material Safety Data Sheet.

Revision Date: October 2nd, 2013

ABBREVIATIONS THAT MAY HAVE BEEN USED IN THIS DOCUMENT:

OSHA - Occupational Safety and Health Administration, TLV - Threshold Limit Value TWA - Time Weighted Average

STEL - Short-term Exposure Limit PEL - Permissible Exposure Limit, CAS - Chemical Abstract Service Number

ACGIH - American Conference of Government Industrial Hygienists, IMO/IMDG - International Maritime Dangerous

Goods Code, API - American Petroleum Institute MSDS - Material Safety Data Sheet, SDS - Safety Data Sheet,

NFPA - National Fire Protection Association (USA) DOT - Department of Transportation (USA) NTP - National

Toxicology Program (USA) IARC - International Agency for Research on Cancer

The above information is based on the data of which we are aware and is believed to be correct as of the date hereof. Since this information may be applied under conditions beyond our control and with which we may be unfamiliar and since data made available subsequent to the date hereof may suggest modifications of the information, we do not assume any responsibility for the results of its use. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his particular purpose.