



# SAFETY DATA SHEET

## Prime Premium Hydraulic AW 46

### SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Prime Premium Hydraulic AW 46  
**SYNONYMS:** Anti-wear Hydraulic Oil  
**PRODUCT CODE:** 31169  
**Product Use:** Hydraulic Oil  
**MANUFACTURER'S NAME:** Prime Lube, Inc.  
**ADDRESS:** P.O. Box 539  
Carteret, NJ 07008  
Tel: 800-338-2262  
**EMERGENCY TELEPHONE NUMBER:** (800) 634-4615  
(800) 346-5783  
**CUSTOMER SERVICE:** (800) 634-4615  
**SDS FORM NUMBER:** 31169

### SECTION 2: HAZARDS IDENTIFICATION

#### EMERGENCY OVERVIEW

**APPEARANCE**

Amber fluid, hydrocarbon odor

**CAUTION!****HEALTH HAZARDS**

May be harmful if swallowed.  
May irritate eyes and skin.

**CLASSIFICATION:** Not classified as hazardous according to 29 CFR 1910.1200 (2012).



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### SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

**Substance/Mixture:** Mixture

**Chemical Nature:** Highly refined mineral base oil and additives

**Hazardous Components:**

Component	Wt. Percent	CAS Number
Interchangeable low viscosity base oil	0-90%.	Not Assigned

### SECTION 4: First Aid and Measures

#### Description of first aid measures

**Eye:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and flush eyes with water.

**Skin:** No specific first aid measures are required. As a precaution, remove clothing and shoes if contaminated. To remove the material from skin, use soap and water. Discard contaminated clothing and shoes or thoroughly clean before reuse.

**Ingestion:** No specific first aid measures are required. Do not induce vomiting. As a precaution, get medical advice.

**Inhalation:** No specific first aid measures are required. If exposed to excessive levels of material in the air, move the exposed person to fresh air. Get medical attention if coughing or respiratory discomfort occurs.

#### Most important symptoms and effects, both acute and delayed

##### IMMEDIATE SYMPTOMS AND HEALTH EFFECTS

Oil acne/folliculitis signs and symptoms may include formation of black pustules and spots on the skin of exposed areas. Ingestion may result in nausea, vomiting and/or diarrhea.

**DELAYED OR OTHER SYMPTOMS AND HEALTH EFFECTS:** Not classified.

#### Indication of any immediate medical attention and special treatment needed

Not applicable.

### SECTION 5: FIRE FIGHTING MEASURES

**Extinguishing Media:** Use water fog, foam, dry chemical or carbon dioxide (CO<sub>2</sub>) to extinguish \ flames.



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#### Protection of Fire Fighters:

**Fire Fighting Instructions:** This material will burn although it is not easily ignited. See Section 7 for proper handling and storage. For fires involving this material, do not enter any enclosed or confined fire space without proper protective equipment, including self-contained breathing apparatus.

### SECTION 6: ACCIDENTAL RELEASE MEASURES

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

**Spill Management:** Stop the source of the release if you can do it without risk. Contain release to prevent further contamination of soil, surface water or groundwater. Clean up spill as soon as possible, observing precautions in Exposure Controls/Personal Protection. Use appropriate techniques such as applying non-combustible absorbent materials or pumping. Where feasible and appropriate, remove contaminated soil. Place contaminated materials in disposable containers and dispose of in a manner consistent with applicable regulations.

**Reporting:** Report spills to local authorities as appropriate or required.

### SECTION 7: HANDLING AND STORAGE

**Precautionary Measures:** Do not get in eyes, on skin, or on clothing. Keep out of the reach of children. Wash thoroughly after handling.

**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 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 1910.106, 'Flammable and Combustible Liquids', National Fire Protection Association (NFPA 77, 'Recommended Practice on Static Electricity', and/or the 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 use 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 reconditioner or disposed of properly.



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### 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.

#### PERSONAL PROTECTIVE EQUIPMENT

**Eye/Face Protection:** No special eye protection is normally required. Where splashing is possible, wear safety glasses with side shields as a good safety practice. **Skin Protection:** No special protective clothing is normally 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:** No respiratory protection is normally required. If user operations generate an oil mist, determine if airborne concentrations are below the occupational exposure limit 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	Agency	Value Type	Control Parameter	CAS – No.
Oil mist, mineral	OSHA Z-1	TWA	5 mg/ml <sup>3</sup>	Not assigned
Oil mist, mineral	ACGIH	TWA	5 mg/ml <sup>3</sup>	Not assigned

**Biological occupational exposure limits:** No biological limit allocated.

**Monitoring Methods:** Monitoring of the concentration of substances in the breathing zone of workers or in the general workplace may be required to confirm compliance with an OEL and adequacy of exposure controls. For some substances biological monitoring may also be appropriate. Validated exposure measurement methods should be applied by a competent person and samples analyzed by an accredited laboratory. Examples of sources of recommended exposure measurement methods are given below or contact the supplier. Further national methods may be available. National Institute of Occupational Safety and Health (NIOSH), USA: Manual of Analytical Methods [http://www.cdc.gov/niosh/Occupational Safety and Health Administration](http://www.cdc.gov/niosh/Occupational%20Safety%20and%20Health%20Administration) (OSHA), USA: Sampling and Analytical Methods <http://www.osha.gov/>



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#### Engineering Methods:

The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on a risk assessment of local circumstances. Appropriate measures include adequate ventilation to control airborne concentrations. Where material is heated, sprayed or mist formed, there is greater potential for airborne concentrations to be generated.

General Information: Define procedures for safe handling and maintenance of controls. Educate and train workers in the hazards and control measures relevant to normal activities associated with this product. Ensure appropriate selection, testing and maintenance of equipment used to control exposure, e.g. personal protective equipment, local exhaust ventilation.

Drain down system prior to equipment break-in or maintenance. Retain drain downs in sealed storage pending disposal or subsequent recycle.

Always observe good personal hygiene measures, such as washing hands after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned. Practice good housekeeping.

#### Personal Protective Equipment:

Respiratory Protection: No respiratory protection is ordinarily required under normal conditions of use. In accordance with good industrial hygiene practices, precautions should be taken to avoid breathing of material. If engineering controls do not maintain airborne concentrations to a level which is adequate to protect worker health, select respiratory protection equipment suitable for the specific conditions of use and meeting relevant legislation. Check with respiratory protective equipment suppliers. Where air-filtering respirators are suitable, select an appropriate combination of mask and filter. Select a filter suitable for the combination of organic gases and vapors and particles [Type A/Type P boiling point >65°C (149°F)].

#### Hand Protection Remarks:

Where hand contact with the product may occur the use of gloves approved to relevant standards e.g., Europe: EN374, US: F739) made from the following materials may provide suitable chemical protection. PVC, neoprene or nitrile rubber gloves Suitability and durability of a glove is dependent on usage, e.g. frequency and duration of contact, chemical resistance of glove material, dexterity. Always seek advice from glove suppliers. Contaminated gloves should be replaced. Personal hygiene is a key element of effective hand care. Gloves must only be worn on clean hands. After using gloves, hands should be washed and dried thoroughly. Application of a non-perfumed moisturizer is recommended. For continuous contact we recommend gloves with break through time of more than 240 minutes with preference for >480 minutes where suitable gloves can be identified. For short-term/splash protection we recommend the same but recognize that suitable gloves Offering this level of protection may not be available and in this case a lower breakthrough time maybe acceptable so long as appropriate maintenance and replacement regimes are followed. Glove thickness is not a good predictor of glove resistance to a chemical as it is dependent on the exact composition of the glove material. Glove thickness should be typically greater than 0.35 mm depending on the glove make and model.



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#### Eye Protection:

If material is handled such that it could be splashed into eyes, protective eyewear is recommended.

**Skin Protection:** Skin protection is not ordinarily required beyond standard work clothes. It is good practice to wear chemical resistant gloves.

#### Protective Measures:

Personal protective equipment (PPE) should meet recommended national standards. Check with PPE suppliers.

#### Thermal Hazards:

Not applicable.

#### Environmental Exposure Controls

#### General Advice:

Take appropriate measures to fulfill the requirements of relevant environmental protection legislation. Avoid contamination of the environment by following advice given in Section 6. If necessary, prevent undissolved material from being discharged to waste water. Wastewater should be treated in a municipal or industrial wastewater treatment plant before discharge to surface water.

## 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:** Slight petroleum odor

**Odor Threshold:** No data available

**pH:** Not Applicable

**Pour Point:** -30°C/-22°F, Method ISO 3016

**Initial boiling point and boiling:** > 280°C/536°F, estimated values

**Flash Point:** 230°C/446°F, Method ISO 2592

**Vapor Pressure:** < 0.5 Pa, (20°C/68°F) estimated values

**Relative Vapor Density:** >1, estimated value. 0.834 (15°C/59°F)

**Relative Density:** 0.879 (15° C/59°F)

**Density:** 879 kg/m<sup>3</sup> (15°C/59°F), method ISO 12185

**Solubility:** Soluble in hydrocarbons; insoluble in water

**Viscosity:** 46 mm<sup>2</sup>/s @ 40°C/100F), method 3014

**Evaporation Rate:** No data available

**Decomposition Properties:** No Data Available

**Octanol/Water Partition Coefficient:** log Pow >6, based on information of similar products



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#### FLAMMABLE PROPERTIES:

**Flammability (solid, gas):** No Data Available

**Auto Ignition Temperature:** >320°C/608°F

**Flammability (Explosive) Limits (% by volume in air):**

**Lower:** Typical 1% (V)

**Upper:** Typical 10% (V)

### SECTION 10: STABILITY AND REACTIVITY

**Reactivity:** The product does not impose any further reactivity hazards in addition to those in the following sub-paragraph.

**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 (None expected)

**Hazardous Polymerization:** Hazardous polymerization will not occur.

### SECTION 11: TOXICOLOGICAL INFORMATION

#### Information on toxicological effects

**Basis for Assessment:** Information given is based on data on the components and the toxicology of similar products. Unless indicated otherwise, the data presented is representative of the product, rather than for individual components.

**Information on Likely Routes of Exposure:** Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

#### Acute Toxicity

##### Product:

Acute Oral Toxicity:

LD50 (rat): >5,000 mg/kg

Remarks: Low toxicity based on available data, the classification criteria are not met.

Acute Inhalation Toxicity:

Remarks: Based on available data, the classification criteria are not met.



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**Acute Dermal Toxicity:**

LD50 (rat): >5,000 mg/kg

Remarks: Low toxicity based on available data, the classification criteria are not met.

**Skin Corrosion/Irritation**

Remarks: Slightly irritating to skin. Prolonged or repeated skin contact without proper cleaning can clog pores of the skin resulting in disorders such as oil acne/folliculitis. Based on available data, the classification criteria are not met.

**Serious Eye Damage/Irritation**

Product: Slightly irritating to the eye. Based on available data, the classification criteria are not met.

**Respiratory/Skin Sensitization:**

Product; Not a skin sensitizer.

**Germ Cell Mutagenicity:**

**Product:** Remarks: Non-mutagenic. Based on available data, the classification criteria are not met.

**Carcinogenicity**

**Remarks:** Not a carcinogen. Based on available data, the classification criteria are not met.

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is on OSHA's list of regulated carcinogens.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**Reproductive Toxicity:**

**Product:**

Remarks: Not a developmental toxicant., Does not impair fertility. Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Single Exposure:** Based on available data, the classification criteria are not met.

**Specific Target Organ Toxicity - Repeated Exposure:** Based on available data, the classification criteria are not met.





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**Aspiration Toxicity:** Not an aspiration hazard.

#### ADDITIONAL TOXICOLOGY INFORMATION:

**Product:**

Remarks: Used oils may contain harmful impurities that have accumulated during use. The concentration of such impurities will depend on use, and they may present risks to health and the environment on disposal., ALL used oil should be handled with caution and skin contact avoided as far as possible.

Remarks: Continuous contact with used engine oils has caused skin cancer in animal tests.

Remarks: Slightly irritating to respiratory system.

### SECTION 12: ECOLOGICAL INFORMATION

#### Ecotoxicity

**Product:**

Toxicity to fish (Acute toxicity): Remarks: LL/EL/IL50 > 100 mg/l Practically non-toxic: Based on available data, the classification criteria are not met.

Toxicity to daphnia and other aquatic invertebrates (Acute toxicity): Remarks: LL/EL/IL50 > 100 mg/l Practically non-toxic: Based on available data, the classification criteria are not met.

Toxicity to algae (Acute toxicity): Remarks: LL/EL/IL50 > 100 mg/l. Practically non-toxic: Based on available data, the classification data are not met.

Toxicity to fish (Chronic toxicity): Remarks: Data not available.

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity): Remarks: Data not available.

Toxicity to microorganisms (Acute toxicity): Remarks: Data not available.

#### Persistency to Degradability

**Product:**

Biodegradability: Not readily biodegradable. Major constituents are inherently biodegradable, but contain components that may persist in the environment.

#### Bioaccumulative Potential

**Product:**

Bioaccumulation: Contains components with the potential to bioaccumulate.



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#### Mobility in Soil

**Product:**

Mobility: Liquid under most environmental conditions. If it enters soil, it will absorb to soil particles and will not be mobile.

Remarks: Floats on water.

#### Other Adverse Effects

**Product:**

Additional ecological information: Does not have ozone depletion potential, photochemical ozone creation potential or global warming potential. Product is a mixture of non-volatile components, which will not be released to air in any significant quantities under normal conditions of use.

Poorly soluble mixture. Causes physical fouling of aquatic organisms.

### SECTION 13: DISPOSAL CONSIDERATIONS

**Waste From Residues:** Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Do not dispose into the environment, in drains or in water courses.

Waste product should not be allowed to contaminate soil or ground water or be disposed into the environment.

### SECTION 14: TRANSPORT INFORMATION

#### National Regulations:

**US Department of Transportation Classification (49 CFR parts 171-180):** Not regulated as a dangerous good.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code:** Not Applicable for product as supplied.

#### Special Precautions for User:

Remarks: Refer to Section 7, Handling & Storage for special precautions which a user needs to comply with in connection with transport.



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#### National Regulations

**US Department of Transportation Classification (49 CFR Parts 171-180):** Not regulated as dangerous.

#### International Regulations

**IATA-DGR:** Not regulated as dangerous.

**IMDG Code:** Not regulated as dangerous.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not applicable for product as supplied. MARPOL Annex 1 rules apply for bulk shipments by sea.

**Special Precautions for User:** : Refer to Section 7, Handling & Storage for special precautions which a user needs to comply with in connection with transport.

### SECTION 15: REGULATORY INFORMATION

#### **EPCRA – Community Planning and Community Right to know Act**

This material does not contain any components with a CERCLA RQ., classified as an "oil" under the CERCLA Petroleum Exclusion; therefore, releases to the environment are not reportable under CERCLA.

#### **SARA 304 Extremely Hazardous Substances Reportable Act**

This material does not contain any components with a section 304 EHS RQ.

#### **SARA 302 Extremely Hazardous Substances Threshold Planning Quantity**

This material does not contain any components with a section 302 EHS TPQ.

**SARA 311/312 Hazards:** No SARA Hazards.

**SARA 313:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**Clean Water Act:** This product does not contain any Hazardous Chemicals listed under the U.S. Clean Water Act, Section 311, Table 117.3.



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#### US State Regulations:

##### Pennsylvania Right to Know

Zinc Dialkyldithiophosphate: 4259-15-8

#### NEW JERSEY RTK CLASSIFICATION:

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

#### California Prop. 65

This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

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

#### The Components Of This Product are Reported In The Following Inventories

EINECS:

TSCA:

DSL:

### SECTION 16: OTHER INFORMATION

**NFPA Ratings:** Health: 0 Flammability: 1 Reactivity: 0

**HMIS Ratings:** Health: 0 Flammability: 1 Reactivity: 0

(0-Least, 1-Slight, 2-Moderate, 3-High, 4-Extreme, PPE:- Personal Protection Equipment Index recommendation, \*- Chronic Effect Indicator). 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).

#### Full Text of Other Abbreviations:

ACGIH – USA ACGIH Threshold Limit Values (TLV)

ASTM – American Society for Testing and Materials

BEL – Biological Exposure Limit

CAS – Chemical Abstract Services

COC – Cleveland Open Cup

DMEL – Derived Minimal Effect Level

DNEL – Derived No Effect Level

DSL – Canada Domestic Substance List

TLV - Threshold Limit Value

TRA – Targeted Risk Assessment

TSCA – US Toxic Substances Control Act

TWA - Time Weighted Average

STEL - Short-term Exposure Limit

PEL - Permissible Exposure Limit



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GHS - Globally Harmonized System  
CAS - Chemical Abstract Service Number  
ACGIH - American Conference of Governmental Industrial Hygienists  
IMO/IMDG - International Maritime Dangerous Goods Code  
API - American Petroleum Institute  
SDS - Safety Data Sheet  
HMIS - Hazardous Materials Information System  
NFPA - National Fire Protection Association (USA)  
DOT - Department of Transportation (USA)  
NTP - National Toxicology Program (USA)  
IARC - International Agency for Research on Cancer  
OSHA - Occupational Safety and Health Administration  
NCEL - New Chemical Exposure Limit  
EPA - Environmental Protection Agency  
SCBA - Self-Contained Breathing Apparatus  
LC50 - Lethal Concentration 50  
LD50 - Lethal Dose 50 Percent  
LL50 - Lethal Load 50  
MARPOL - International Convention for the Prevention of Pollution from Ships

Prepared according to the 29 CFR 1910.1200 (2012) by Prime Lube, Inc., 800 Roosevelt Avenue, Carteret, NJ 07008

**Date Issued:** August 1, 2024

**Revision No.** N/A

**Revision Information:** Not applicable

**Label/Other Information:** Not available

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### SDS FORM NUMBER: 31169

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