



## S.D.S

# Premium AW 46 Hydraulic Oil

Prime Lube, Inc.  
P.O. Box 539  
Carteret, NJ 07008

Tel: 800-634-4615  
AW 46 Hydraulic Fluid  
SDS No: 46  
24-HOUR EMERGENCY NUMBERS: 1-800-634-4615  
CUSTOMER SERVICE: 1-732-969-9200

National Fire Protection Association HMIS Rating Protective Equipment:

- 1 - Health
- 1 - Flammability
- 0 - Reactivity
- 0 - Special

### SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: AW 46 Hydraulic Fluid  
Product Description: AW 46 Hydraulic Fluid  
Chemical Name: Hydraulic Fluid  
Chemical Family: Blend  
Product Code: 46  
Other Designations: None  
General Use: Hydraulic Fluid  
Manufacturer: Prime Lube, Box 539, Carteret, NJ 07008, Phone (800) 634-4615  
(Hours of operation: Mon-Fri 7:00am-5:00pm EST)

### SECTION 2 - COMPOSITION / INFORMATION ON INGREDIENTS EXPOSURE GUIDELINES OSHA ACGIA

Component/CAS Number LO% HI% TWA STEL TWA STEL UNIT Limits for the  
Product 5 5 MG/M3 SEVERELY SOLVENT REFINED HEAVY PARAFFINIC  
PETROLEUM OIL 64741-88-4 90.00 100.00 5 5 MG/M3 ZINC DIALKYL  
DITHIOPHOSPHATE 64649-42-3 0.0 1.0 No Specific Limit  
ACRYLIC COPOLYMER 68171-46-0 .00 1.00 NO SPECIFIC LIMIT  
CALCIUM SULFONATE 61789-86-4 .00 1.00 NO SPECIFIC LIMIT  
2-ETHYLHEXANOL 104-76-7 .00 1.00 NO SPECIFIC LIMIT  
ADDITIONAL EXPOSURE LIMITS-----GOVERNMENT  
REGULATION OTHER LIMIT – OIL MIST: 5MG/M3 OSHA PEL/ACGIH TLV

### **SECTION 3 - HAZARDOUS IDENTIFICATION (HMIS)**

EMERGENCY OVERVIEW

MAY CAUSE SKIN IRRITATION

APPEARANCE: Amber Fluid ODOR: Slight Odor

POTENTIAL HEALTH EFFECTS:

SKIN CONTACT: PRACTICALLY NON-TOXIC IF ABSORBED (LD50 > 2000 MG/KG).

MAY CAUSE MODERATE IRRITATION WITH PROLONGED OR REPEATED

CONTACT. CARCINOGEN LISTED BY: IARC(NO) NTP(NO) OSHA9(NO) ACGIH(NO)

OTHER(NO)

### **SECTION 4 - FIRST AID MEASURES**

Emergency and First Aid Procedures: Eye contact: Flush eyes with large amounts of water for at least 15 minutes. If irritation persists, obtain medical attention.

Skin contact: Wash affected area thoroughly with soap and water until no odor remains. If redness or swelling develops, obtain medical assistance. Wash clothing before reuse.

Ingestion: Practically non-toxic. Induction of vomiting not required. Obtain medical emergency medical attention. Small amounts which accidentally enter mouth should be rinsed out until taste of substance is no longer detected.

Inhalation: Move to fresh air.

Note to Physicians: Treat symptomatically

Special Precautions/Procedures: None known

### **SECTION 5 - FIRE FIGHTING MEASURES**

Extinguishing Media: Water spray, dry chemical, carbon dioxide (CO<sub>2</sub>), foam.

Flash Point: 405 °F Minimum COC, 207 °C NFPA Minimum COC

Flash Point Method: Cleveland Open Cup

Auto Ignition Temperature: 675 °F (Estimated) 359 °C (Estimated)

Flammable (Explosive) Limits (% by Lower: Not Applicable

Flammability Classification: Not Flammable

Fire-Fighting Instructions; This material will burn although it is not easily ignited. For fires involving this material, do not enter any confined space without proper PPE, including an SCBA.

Fire-Fighting Equipment: Fire may produce toxic thermal decomposition products; wear an (SCBA).

Hazardous Combustion Products: Highly dependent on combustion conditions. A complex mixture forms when this material undergoes combustion. Examples: carbon dioxide, water vapor, unidentified organic compounds.

## **SECTION 6 - ACCIDENTAL RELEASE MEASURES**

Spill/Leak Procedures: Recover usable material by convenient method; residual may be removed by wipe or wet mop

Small Spills: Small spills should be absorbed with a suitable inert material (sand, earth, clay, etc.). Remove the absorbed material and place in an appropriate chemical waste container for disposal.

Large Spills: For large spills, dike and pump into suitable containers. Clean up residual with suitable inert material.

Containment: For large spills, dike far ahead of liquid spill for later disposal.

Regulatory Requirements:

Follow applicable Federal, State and Local regulations.

## **SECTION 7 - HANDLING AND STORAGE**

Precautionary Measures: Keep out of reach of children.

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.

Storage Requirements: NFPA Class IIIB Storage.

## **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 when designing engineering controls suitable for the workplace.

Engineering Controls: Use in a well ventilated area. Protective Clothing/Equipment:

Skin: No special protective clothing is normally needed.

Eye/Face: No special eye protection is normally needed.

Respiratory Protection: No respiratory protection is normally needed.

Work and Hygienic Practices: Wash or rinse hands before touching eyes or contact lenses, and before eating.

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

## **SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES**

Appearance and odor: Amber Fluid, Slight Odor

Evaporation Rate: 1000X Slower (ETHYL ETHER=1)

Boiling Point: High

Vapor Pressure: <0.0001 (MM HG @ 20°C)

Pour Point, °C: -34 (Estimated)

Specific Gravity (water =1): 0.86 (Estimated)

API Gravity: 31.0 (Estimated)

Viscosity @ 40 °C, CST: 46 CST (Estimated) 225 SUS @ 100°F

Vapor Density (Air =1): >1

Solubility: Soluble

Molecular Weight: N/A (G/MOLE)

Melting Point: N/A

Packing Density: N/A

Octanol / Water Coeff.: N.D.

Odor Threshold: N.D.

Vapor Density: 10+ (Air = 1)

## **SECTION 10 - STABILITY AND REACTIVITY**

Stability: Stable

Hazardous Polymerization: Will not occur.

Materials to Avoid: Strong oxidizing agents.

Conditions to Avoid: Strong oxidizing agents.

Hazardous Decomposition: Combustion will produce carbon monoxide and asphyxiants.

## **SECTION 11 TOXICOLOGICAL INFORMATION FOR THE PRODUCT –**

INHALATION: Low acute toxicity. SKIN: expected to be acutely non-toxic if absorbed. mild irritation with prolonged/repeated contact. EYE: mildly irritating on contact. ORAL: practically non-toxic

SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL –

INHALATION: low acute toxicity. SKIN: practically non-toxic if absorbed may cause moderate irritation with prolonged and repeated contact. EYE: minimally irritating on contact. INGESTION: Practically non-toxic if swallowed.

ETHYLENE/PROPYLENE COPOLYMER: No data available for all routes of exposure

ZINC DIALLYLDITHIO PHOSPHATE INHALATION: Toxic hydrogen sulfide is

generated when heated above 200 deg. F. This can cause central nervous system (brain) effects, nausea, dizziness, confusion, loss of sense of smell, muscle cramps, incoordination, unconsciousness, coma, respiratory failure, or death.

SKIN: Prolonged or repeated contact may cause moderate irritation, redness, drying, cracking, dermatitis.

EYE: Irritant. ORAL: Harmful if swallowed. BORATED POLYISOBUTYLENE

SUCCINIC ANHYDRIDE – No data available for all routes of exposure.

ACRYLIC COPOLYMER: No data available for all routes of exposure.

SEVERELY SOLVENT REFINED HEAVY PARAFFINIC PETROLEUM OIL:

INHALATION: low acute toxicity.

SKIN: practically non-toxic if absorbed may cause moderate irritation with prolonged and repeated contact.

EYE: minimally irritating on contact.

INGESTION: Practically non-toxic if swallowed. ALKYL DIPHENYLAMINE: No data available for inhalation or eye

contact. SKIN: Possible allergic reaction. ORAL: Toxic if swallowed. May cause loss of appetite, diarrhea, & death.

POLYBUTENE: No significant effects by inhalation, skin absorption, or eye contact.

ORAL: Practically nontoxic if swallowed.

## **SECTION 12 - ECOLOGICAL INFORMATION**

Ecotoxicity: No Data Available.

Environmental Fate: This material is not expected to be readily biodegradable.

## **SECTION 13 - DISPOSAL CONSIDERATIONS**

Waste disposal method: Do not flush to drain/sewer. Contact an authorized disposal service. Disposal should be in accordance with all applicable federal, state and local laws and regulations.

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**

DOT Shipping Name: Non-Hazardous Petroleum Lubricating Oil

Shipping Symbols: Not Regulated

Hazard Class: Not Regulated

DOT Identification No.: Not Regulated

Packing Group: Not Regulated

Label: Not Regulated

Packaging Authorizations: Not Regulated

Quantity Limitations: None

## **SECTION 15 - REGULATORY INFORMATION**

TSCA: This material is in compliance with the TOXIC SUBSTANCES CONTROL ACT (15 USC 2601 -2629) and is listed in the TSCA Inventory.

SARA 302 THRESHOLD PLANNING QUANTITY, N/A

SARA 304 REPORTABLE QUANTITY N/A

SARA 311/312 REPORTING: Health Immediate (Acute) No

Health Delayed (Chronic) No

Physical Fire No

Physical Sudden Release of Pressure No

Physical Reactive No

When a product and/or component is listed below, the regulatory list on which it appears is indicated. ZINC DIALKYL DITHIOPHOSPHATE – NJ 01

01=SARA 313 02= SARA 302/304 03=IARC CARCINOGEN

04=OSHA CARCINOGEN 05=ACGIH CARCINOGEN 06=NTP CARCINOGEN

07=CERCLA 302.4 08=WHMIS CONTROLLED PROD.

10=OTHER CARCINOGEN PA=PA RTK NJ=NEW JERSEY RTK CA=CALIFORNIA

PROP 65 MA=MASS. RTK MI-MICHIGAN 406 MN=MINNESOTA RTK FL=FLORIDA

RI=RHODE ISLAND IL=ILLINOIS

NY=NEW YORK WV=WEST VIRGINIA CT=CONNECTICUT

LA=LOUISIANA ME=MAINE OH=OHIO

## **SECTION 16 - OTHER INFORMATION**

Prepared By: Prime Lube, Inc.

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CONSULT PRIME LUBE FOR FURTHER INFORMATION.