



SAFETY DATA SHEET

Product Trade Name:
Revision Date: 09-15-2015

UNITED HYDRAULIC OIL AW 46

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Identification of Substances or Preparation

Product Trade Name: UNITED AW 46
Synonyms: None
Chemical Family: Blend
Manufacturer/Supplier: United Oil Company
1800 N Franklin St
Pittsburgh, PA 15233

Emergency Phone Number 412.231.1269 8-4 EST
412-231-1271 8-4 EST

Prepared By: United Oil Company
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2. HAZARDS IDENTIFICATION

Prolonged exposure may cause eye, skin and respiratory tract irritation. May be harmful if swallowed.

GHS label elements

Signal Word : No signal word.

Hazard statements : No known significant effects or critical hazards

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Component / CAS #	Symbol	Risk Phrases	EC #	%
Hydrotreated distillate 64741-88-4	None	None	649-422-00-2	70-80
Highly refined mineral oil 64742-01-4	None	None	204-112-2	15-25
Petroleum additives proprietary				0.5-2.0

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

There are no additional ingredients present which, within the current knowledge of the supplier and in the concentrations applicable, are classified as hazardous to health or the environment and hence require reporting in this section.

More restrictive exposure limits may be enforced by some states, agencies, or other authorities.

4. FIRST AID MEASURES

Inhalation	If inhaled, remove from area to fresh air. Get medical attention if respiratory irritation develops or if breathing becomes difficult.
Skin	Wash with soap and water. Get medical attention if irritation persists.
Eyes	In case of contact, immediately flush eyes with plenty of water for at least 15 minutes and get medical attention if irritation persists.
Ingestion	Do not induce vomiting. Slowly dilute with 1-2 glasses of water and seek medical attention. Never give anything by mouth to an unconscious person.
Notes to Physician	Not Applicable

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Water fog, carbon dioxide, foam, dry chemical.
Unsuitable Extinguishing Media	None known.
Special Exposure Hazards	Decomposition in fire may produce toxic gases.
Special Protective Equipment for Firefighters	Full protective clothing and approved self-contained breathing apparatus required for fire fighting personnel.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautionary Measures	Use appropriate protective equipment.
Environmental Precautionary Measures	Prevent from entering sewers, waterways, or low areas.
Procedure for Cleaning / Absorption	Isolate spill and stop leak where safe. Contain spill with sand or other inert materials. Scoop up and remove.

7. HANDLING AND STORAGE

Handling Precautions	Avoid breathing vapors or mists of this product. Avoid contact with eyes, skin, or clothing. Avoid the generation of oil mists. Do not take internally. Only use with adequate ventilation.
Storage Information	Store in a cool well ventilated area. Keep container tightly closed and in a place away from incompatible materials.. Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind or expose containers to heat, flame, sparks, static electricity, or other sources of ignition, they may explode. Use good housekeeping and close container when not in use.

Manufacturer recommends storing above 40° F. Thaw and mix thoroughly if frozen. Do not store above 100° F

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls	Use in a well ventilated area. Local exhaust ventilation should be used in areas without good cross ventilation.
Respiratory Protection	Organic vapor respirator with a dust/mist filter.
Hand Protection	Impervious rubber gloves.
Skin Protection	Normal work coveralls.
Eye Protection	Chemical goggles; also wear a face shield if splashing hazard exists.
Other Precautions	Eyewash fountains and safety showers must be easily accessible.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/ODOR	Clear amber Liquid/oil Slight odor		
BOILING POINT :	552 F	VISCOSITY @ 100 C	45-49 SSU 6-7 cSt
VAPOR PRESSURE:	ND	VAPOR DENSITY (AIR=1):	> 1
SPECIFIC GRAVITY (H ₂ O = 1):	0.86	SOLUBILITY IN H ₂ O:	Insoluble
MELTING POINT :	ND	VOC:	ND
EVAPORATION RATE (Butyl Acetate = 1)	ND	FLASH POINT;	> 392 F COC

10. STABILITY AND REACTIVITY

Stability Data:	Stable
Hazardous Polymerization:	Will Not Occur
Conditions to Avoid	None anticipated
Incompatibility (Materials to Avoid)	ND
Hazardous Decomposition Products	Ammonia, nitrogen, oxides and carbon monoxide when burned
Additional Guidelines	Not Applicable

11. TOXICOLOGICAL INFORMATION

Principle Route of Exposure	Eye or skin contact, inhalation.
Inhalation	May cause respiratory irritation.

Skin Contact	May cause skin irritation, but is considered a non sensitizer
Eye Contact	May cause eye irritation.
Ingestion	Aspiration into the lungs may cause chemical pneumonitis including coughing, difficulty breathing
Aggravated Medical Conditions	Skin disorders.
Chronic Effects/Carcinogenicity	None expected
Other Information	None known.
Toxicity Tests	
Oral Toxicity:	Not determined
Dermal Toxicity:	Not determined
Inhalation Toxicity:	Not determined
Primary Irritation Effect:	Not determined
Carcinogenicity	Not determined
Genotoxicity:	Not determined
Reproductive / Developmental Toxicity:	Not determined

Ingredients within this product are not found on the following lists: Federal OSHA Z List, NTP, IARC, or CAL/OSHA and therefore are not considered to be, nor suspected to be, cancer causing agents by these agencies.

12. ECOLOGICAL INFORMATION

Mobility (Water/Soil/Air)	Not determined
Persistence/Degradability	This product is believed to be stable
Bio-accumulation	Not Determined

Ecotoxicological Information

Acute Fish Toxicity:	Not determined
Acute Crustaceans Toxicity:	Not determined
Acute Algae Toxicity:	Not determined
Chemical Fate Information	Not determined
Other Information	Not applicable

13. DISPOSAL CONSIDERATIONS

Disposal Method	Disposal should be made in accordance with federal, state, and local regulations.
Contaminated Packaging	Follow all applicable national or local regulations.

14. TRANSPORT INFORMATION

Land Transportation	ADR Not restricted
Air Transportation	ICAO/IATA Not restricted
Sea Transportation	IMDG Not restricted
Other Shipping Information	None

15. REGULATORY INFORMATION**EC Supply labeling Requirements Classification**

NFPA RATINGS: HEALTH: 1 FIRE: 2 REACTIVITY: 0
HAZARD SCALE: 0 = MINIMAL 1= SLIGHT 2= MODERATE 3= SERIOUS 4= SEVERE

HMIS RATINGS: HEALTH: 1 FIRE: 1 REACTIVITY: 0 PERS. PROT:
HAZARD SCALE: 0 = MINIMAL 1= SLIGHT 2= MODERATE 3= SERIOUS 4= SEVERE * = 5= CHRONIC

HAZARD CLASS.....NOT REGULATED
DOT SHIPPING NAME.....N/A
REPORTABLE QUANTITY (RQ).....N/A
UN NUMBER.....N/A
NA#.....N/A

Risk Phrases None

Safety Phrases S 24/25 Avoid contact with skin and eyes.
S 28A After contact with skin, wash immediately with plenty of water.
S 37 Wear suitable gloves.
S 45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

EINECS Inventory

**Germany, Water Endangering
Classes (WGK)** Not determined

16. OTHER INFORMATION

The following sections have been revised since the last issue of this MSDS Not applicable

US FEDERAL REGULATIONS**A. GENERAL PRODUCT INFORMATION**

THIS PRODUCTS HEALTH EFFECTS ARE CONSIDERED CONSISTENT WITH REQUIREMENTS UNDER 29 CFR 1910.1200 (HAZARD COMMUNICATION)

B. COMPONENT ANALYSIS

NONE OF THIS PRODUCTS COMPONENTS ARE LISTED UNDER SARA SECTION 302 (40 CFR 355 APPENDIX A), SARA SECTION 313 (40 CFR 372.65), OR CERCLA (40 CFR 302.4)
SARA 311/312: Acute: Yes Chronic: No Fire: No Pressure: No Reactive: No

C. ALL COMPONENTS ARE ON THE U.S. EPA TSCA INVENTORY LIST**D. NO COMPONENTS ARE LISTED IN THE WHMIS IDL.****E. NO COMPONENTS ARE LISTED UNDER CEPA ACT OF 1999 AS TOXIC SUBSTANCES****Key/Legend:**

EPA = Environmental Protection Agency; **TSCA** = Toxic Substance Control Act; **ACGIH** = American Conference of Governmental Industrial Hygienists; **IARC** = International Agency for Research on Cancer; **NIOSH** = National Institute for Occupational Safety and Health; **NTP** = National Toxicology Program; **OSHA** = Occupational Safety and Health Administration; **NFPA** = National Fire Protection Association; **HMIS** = Hazardous Material Identification System; **CERCLA** = Comprehensive Environmental Response, Compensation and Liability Act; **SARA** = Superfund Amendments and Reauthorization Act; **CEPA** = Canadian Environmental Protection Act of 1999.

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