



# MSDS Document

## Product Enlube 15-AW Hydraulic Oil

### 1. Chemical Product and Company Identification

#### Product Enlube 15-AW Hydraulic Oil

MSDS ID EL10

Engineered Lubricants Co.  
11525 Rock Island Court  
Maryland Heights , MO 63043

**Contact Name**

msds@englube.com

**Phone Number**

(314)872-9540 X3033

**Emergency Phone**

(800)424-9300

**Revision Date** 9/20/2011

Health:	1
Fire:	1
Reactivity:	0
Specific	

### 2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
REPORTABLE HAZARDOUS COMPONENTS	1111-11-11				
Parafin oil	64741-88-4	89% - 100%	5 mg/m3 TWA	5 mg/m3 TWA	

### 3. Hazard Identification

#### APPEARANCE

LIQUID. MILD ODOR. Light golden yellow.

#### Emergency Overview

Poses little or no immediate health hazard.

## HEALTH HAZARDS

### Potential Health Effects

#### Eye

May cause slight irritation.

#### Skin

Substance may cause slight skin irritation.

#### Ingestion

No hazard in normal industrial use.

#### Inhalation

Repeated or prolonged inhalation may cause toxic effects.

## 4. First Aid Information

#### Eye

Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes.

#### Skin

Wash clothing separately before reuse. Wash with soap and water.

#### Ingestion

If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

#### Inhalation

Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.

## 5. Fire Fighting Measures

<b>Flash Point</b>	428 F
<b>FP Method</b>	ASTM D92 (COC)

#### Extinguishing Media

Use water spray, regular foam, dry chemical, carbon dioxide.

#### Hazardous Combustion Products

Oxides of carbon, Sulfur oxides, Aldehydes, Smoke, Fume, Incomplete combustion products.

#### Fire Fighting Instructions

In the event of fire, cool tanks with water spray. As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

## 6. Accidental Release Measures

### PERSONAL PRECAUTIONS

Wear a self-contained breathing apparatus and appropriate Personal protection. (See Exposure Controls/Personal Protection section.)

## ENVIRONMENTAL PRECAUTIONS

### Reporting

US regulations require reporting spills of this material that could reach any surface waters. The toll free number for the US Coast Guard National Response Center is (800) 424-8802.

### Clean-up

Avoid runoff into storm sewers and ditches which lead to waterways.

## METHODS FOR CONTAINMENT AND CLEAN UP

### Collect

Contain spilled liquid with sand or earth. DO NOT use combustible materials such as sawdust.

### Clean-up

Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. Vacuum or sweep up material and place in a disposal container.

## 7. Handling and Storage

### SAFE HANDLING

#### Handling

Wash thoroughly after handling. Avoid heating above 120 F for prolonged periods of time.

### SAFE STORAGE

#### Storage

Keep container closed when not in use. Keep from freezing.

## 8. Exposure Controls and Personal Protection

### EXPOSURE LIMITS

#### OSHA PELs:

64741-88-4; OIL MIST; 5 mg/m<sup>3</sup> TWA 8 hours

#### ACGIH TLV:

64741-88-4; OIL MIST; 5 mg/m<sup>3</sup> TWA 8 hours

### PERSONAL PROTECTION

#### Eye

Wear safety glasses.

#### Skin Protection

Protective gloves and clothing are recommended.

### Specific Hygiene Measures

Always observe good personal hygiene measures, such as washing after handling the material 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.

### Engineering Controls

Local exhaust ventilation may be necessary to control any air contaminants to within their TLVs during the use of this product.

## 9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	0.866
Density lbs/Gal.	7.211
Color/Appearance	Light Amber
Odor	BLAND
pH	Not Applicable
Solubility	Not Soluble
VOC %	1.8% E1868 (110min @ 81C)
Molecular Formula	Not determined
Viscosity	31.17 cSt @ 100F

## 10. Stability and Reactivity

### Stability

Material is stable under normal conditions.

### Conditions To Avoid

Excessive heat. High energy sources of ignition

### Incompatible Materials

Strong oxidizers.

### Thermal Decomposition

Smoke, Carbon oxides.

### Hazardous Reactions

Hazardous polymerization will not occur.

## 11. Toxicological Information

### ACUTE ORAL TOXICITY

No data available.

### ACUTE INHALATION TOXICITY

#### Inhalation

Prolonged or excessive inhalation may cause respiratory tract irritation.

### ACUTE DERMAL TOXICITY

No data available.

#### **SKIN IRRITATION**

##### **Skin**

Prolonged or repeated contact can result in defatting and drying of the skin which may result in skin irritation and dermatitis (rash).

#### **EYE IRRITATION**

No data available.

#### **REPRODUCTIVE TOXICITY**

No data available.

#### **SKIN SENSITIZATION**

No data available.

#### **GERM CELL MUTAGENICITY**

No data available.

#### **CARCINOGENICITY**

No components present at 0.1% or greater are listed on IARC.

#### **STOT-SINGLE EXPOSURE**

No data available.

#### **STOT-REPEATED EXPOSURE**

##### **Target organ**

May cause breathing disorders and lung damage.

## **12. Ecological Information**

#### **ECOTOXICITY EFFECTS**

No data available.

#### **PERSISTENCE AND DEGRADABILITY**

No data available.

## **13. Disposal Considerations**

#### **Waste Disposal Method**

According to local, state, and federal regulations.



This material, if discarded, is not a hazardous waste under RCRA Regulation 40 CFR 261.

**Contaminated Packaging**

Empty containers should be taken to an approved waste handling site for local recycling or waste disposal.

**14. Transportation Information**

**LAND (DOT)- NON-BULK**

Not Regulated

**LAND (DOT) BULK**

Not Regulated

**SEA (IMDG)**

Not Regulated

**AIR (IATA)**

Not Regulated

**15. Regulatory Information**

**US REGULATIONS**

**SARA Sections 311 and 312**

Immediate (Acute) Health Hazard: YES.

Delayed (Chronic) Health Hazard: NO Fire Hazard: NO. Reactive Hazard: NO. Sudden

Release of Pressure Hazard: NO.

**SARA (313) TOXIC RELEASE INVENTORY**

NONE

**CERCLA (Comprehensive Environmental Response and Liability Act of 1980, S 103)**

NONE

**EPCRA**

NONE

**IARC**

NONE

**U.S. STATE RIGHT TO KNOW**



**California Proposition 65-Chemicals Known to the State to Cause Cancer**  
No Components Listed.

## 16. Other Information

### Disclaimer

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### LEGEND

DOT- Department of Transportation; IMDG-International Maritime Dangerous Goods; IATA- International Air Transport Association; SARA-Superfund Amendments and Reauthorization Act; CERCLA-Comprehensive Environmental Response, Compensation, and Liability Act; EPCRA-Emergency Planning and Community Right-to-Know Act; IARC-International Agency for Research on Cancer. STOT-Specific Target Organ Toxicity.