

MSDS Document

Product Enway 31-WO-P

1. Chemical Product and Company Identification

Product Enway 31-WO-P

MSDS ID EL3515

Manufacturer

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

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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	60% - Min	5 mg/m3 TWA	5 mg/m3 TWA	
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5	15% - Min	5 mg/m3-TWA	5 mg/m3-TWA	OIL MIST

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

Flash Point	432
FP Method	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

Clean-up

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/m³ TWA 8 hours

ACGIH TLV:

64741-88-4; OIL MIST; 5 mg/m³ 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	0.89
Density lbs/Gal.	7.411
Color/Appearance	DARK AMBER
Odor	STRONG
pH	Not Applicable
Boiling/Cond. Point	>480F
Solubility	Not Soluble
VOC %	1.76% E1868 (110min @ 81C)
Viscosity	67.92 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 Polymerization

Will not occur

11. Toxicological Information

ACUTE ORAL TOXICITY

64742-52-5

Data obtained on components: # 64742-52-5: LD50/ oral/ rabbit: > 5000mg/kg.

ACUTE INHALATION TOXICITY

Inhalation

Prolonged or excessive inhalation may cause respiratory tract irritation.

ACUTE DERMAL TOXICITY

64742-52-5

Data obtained on components: # 64742-52-5: LD50/ dermal/ rabbit: > 5000mg/kg.

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: NO. 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.