MSDS Document

Product Enlube Air Line Oil-10W

1. Chemical Product and Company Identification

Product Enlube Air Line Oil-10W

Synonyms: Petroleum Hydrocarbon Oil Blend

MSDS ID EL889

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

Contact Name
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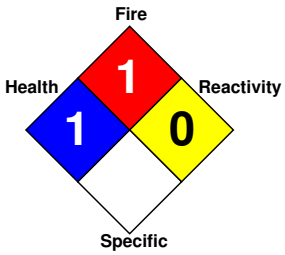
Revision Date 12/1/2011



Health:	1
Fire:	1
Reactivity:	0
Specific	

2. Composition and Information on Ingredients

Ingredient	CAS Number	Weight %	ACGIH TLV	PEL	STEL
Exact chemical identity withheld as Trade Secret-per OSHA CFR 1910.1200(i).	00000				
Distillates, petroleum, hydrotreated heavy naphthenic	64742-52-5		5 mg/m3-TWA	5 mg/m3-TWA	OIL MIST

3. Hazard Identification

Emergency Overview

APPEARANCE

Light golden yellow. LIQUID.

PHYSICAL HAZARDS

NONE

HEALTH HAZARDS

Potential Health Effects

Eye
Non-irritating to the eyes.

Skin
No hazard in normal industrial use.

Ingestion
No hazard in normal industrial use.

Inhalation
Mist or vapors may cause irritation of mucous membranes and upper respiratory tract.

4. First Aid Information

Eye
Flush thoroughly with water. If irritation occurs get medical assistance

Skin
Wash with soap and water. Get medical attention if irritation develops or persists.

Inhalation
If breathing is difficult move to fresh air. Call a physician if symptoms develop or persist.

Ingestion
Rinse mouth. If ingestion of a large amount does occur, call a poison control center immediately.

5. Fire Fighting Measures

Flash Point	315 F
FP Method	COC (ASTM D93)

Flammable Properties
Not flammable by OSHA criteria.

Extinguishing Media
Water fog, Dry chemical, Foam, or CO2.

Inappropriate Extinguishing Media
Straight Streams of Water.

Fire fighting instructions
As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear. Move containers from fire area if you can do so without risk.

HAZARDOUS COMBUSTION PRODUCTS

Toxic fumes, gases or vapors may evolve on burning or exposure to heat. Material may contain hydrogen sulfide.

6. Accidental Release Measures

PERSONAL PRECAUTIONS

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

METHODS FOR CONTAINMENT AND CLEAN UP

Containment
Eliminate all ignition sources. Stop the flow of material, if this can be done without risk. Dike the spilled material, where this is possible. Prevent entry into waterways, sewers, basement or confined areas.

Clean-up
Forms smooth, slippery surfaces on floors, posing an accident risk. Absorb spill with inert material (e.g., dry sand or earth), then place in a chemical waste container. After removal, flush contaminated area thoroughly with water.

7. Handling and Storage

Handling
Avoid contact with eyes, skin, and clothing. Do not reuse this container.

Storage
Do not store in direct sunlight. Keep away from heat, sparks, and flame. Keep container closed when not in use.

8. Exposure Controls and Personal Protection

EXPOSURE LIMITS

OIL MIST
OSHA PEL: MIST 5 MG/M3 8 HRS;
ACGIH TLV: MIST 5 MG/M3 8 HRS

PERSONAL PROTECTION

Specific Hygeine 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.

Eye
Wear safety glasses.

Skin Protection
Protective gloves and clothing are recommended.

Respirators
A respiratory protection program that meets OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.

Engineering controls
Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

9. Physical and Chemical Properties

Physical State	Liquid
Specific Gravity	0.91
Density lbs/Gal.	7.58
Color/Appearance	Light Amber
Odor	Mild
pH	Not Determined
Boiling/Cond. Point	> 350 F
Melting/Freezing Point	Not Determined
Solubility	Insoluble in water
Evaporation Rate	Not Determined
VOC %	4.86 (E1868-110 Min @ 81 C)
Percent Volatile	Negligible
Molecular Formula	Not Determined
Viscosity	23.6 cSt @ 100F
Vapor Density	Not Determined
Vapor Pressure	Not Determined

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. Halogens and halogenated compounds.

Thermal Decomposition
Smoke, carbon monoxide, carbon dioxide, aldehydes and other products of incomplete combustion Toxic fumes, gases or vapors may evolve on burning or exposure to heat. Material may contain hydrogen sulfide.

11. Toxicological Information

ACUTE ORAL TOXICITY

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

ACUTE DERMAL TOXICITY

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

ACUTE INHALATION TOXICITY

No data available.

Sensitization
Not applicable.

Chronic Effects
Not applicable.

Carcinogenicity
The major components of this product are not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

Reproductive Effects
Not applicable.

12. Ecological Information

General
This information is given based on data available for the material, components of the material, and similar materials.

Ecotoxicity
Not expected to be harmful to aquatic organisms.

Mobility
Base Oil Component-Low solubility and floats and is expected to migrate from water to land. Expected to partition to sediment and wastewater solids.

Biodegradation
Base oil component- Expected to be inherently biodegradable.

Bioaccumulation Potential
Base oil component-Has the potential to bioaccumulate, however metabolism or physical properties may reduce the bioconcentration or limit bioavailability.

Persistence/Degradability
No information available.

13. Disposal Considerations

Waste Disposal Method
This product in its present state, when discarded or disposed of, is not a hazardous waste according to Federal regulations (40CFR 261.4 (b)(4)). Under RCRA, it is the responsibility of the user of the product to determine, at the time of disposal, whether the product meets RCRA criteria for hazardous waste. According to local, state, and federal regulations.

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

14. Transportation Information

U.S. DOT
Not Regulated

IMO/IMDG
Not Regulated

IATA
Not Regulated.

ICAO
Not Regulated

15. Regulatory Information

US Federal Regulatory Information

OSHA Hazard Communication Standard
When used for its intended purposes, this material is not classified as hazardous in accordance with OSHA 29 CFR 1910.1200.

SARA (311/312) Reportable Hazard Categories
NONE

SARA (313)
NONE

Comprehensive Environmental Response and Liability Act (CERCLA)
This material is not subject to any special reporting under the requirements of CERCLA.

EPCRA
This material contains no extremely hazardous substances.

U.S. Toxic Substances Control Act TSCA
All components of this product are on the TSCA Inventory or are exempt from TSCA Inventory requirements under 40 CFR 720.30

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

16. Other Information

Disclaimer

The information in this MSDS was obtained from sources which we believe are reliable. However, the information is provided without any representation or warranty expressed or implied, regarding its accuracy or correctness. The conditions or methods of handling, storage, use, and disposal of the product are beyond our control and may be beyond our knowledge. Therefore, we do not assume responsibility and expressly disclaim liability for loss, damage, or expense arising out of or in any way connected with the handling, storage, use, or disposal of the product.

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.