

MATERIAL SAFETY DATA SHEET

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*May be used to comply with OSHA's
Hazard Communication Standard
29 CFR 1910.1200. Standard
must be consulted for specific
requirements.*

SECTION I

IDENTIFICATION

Trade Name:
Product Code:
U.S. D.O.T. Shipping Name:
Technical Name:
U.S. D.O.T. Primary Hazard Class:
U.S. D.O.T. Secondary Hazard Class:
Identification Number:
IATA (Airline)
Maritime
Packing Group:

Liquid Muscle Hub and Gear Oil
FP-RP002
Non Regulated
Not Applicable
Non Hazardous
Non Hazardous
Not Applicable
Non Regulated
Non Regulated
Not Applicable

SECTION II

HAZARDOUS INGREDIENTS--IDENTITY INFORMATION

Hazardous Components

	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Mineral oil	8042-47-5	none	none
Petroleum oils	64742-65-0	5 mg/m ³	5 mg/m ³

Other components, if any, are considered to be non-hazardous as per OSHA 29 CFR 1910.1200.

SECTION III

PHYSICAL & CHEMICAL CHARACTERISTICS

Flash Point:	>300°F ASTM D-93 PM Closed Cup
Specific Gravity (H ₂ O=1):	0.915
Vapor Density (Air=1):	Greater
Evaporation Rate (BA=1):	Slower
% Solids:	Negligible
Weight (lb./gal.):	7.68
Solubility in Water:	Negligible
Viscosity:	120 cSt @ 40°C
Appearance & Odor:	Light amber liquid, slight hydrocarbon odor

SECTION IV

FIRE & EXPLOSION HAZARD DATA

Extinguishing Media:	Foam, dry chemical, carbon dioxide. Do not use a direct stream of water. Product may float and can be re-ignited on surface of water.
Special Fire Fighting Procedures:	Material will not burn unless preheated. Do Not enter fire-space without full bunker gear (helmet with face shield, bunker coats, gloves and rubber boots), including a positive-pressure NIOSH approved Self Contained Breathing Apparatus.
Unusual Fire & Explosion Hazards:	Heating of non-vented container may cause explosion. Keep surrounding containers cool with water spray.

SECTION V

REACTIVITY DATA

Stability:	Stable.
Materials to Avoid:	Oxidizing materials.
Conditions to Avoid:	Contact with open flame, heat.
Hazardous Decomposition Products:	Thermal decomposition products are highly dependent on combustion conditions. Carbon Monoxide and unidentified organic compounds may be formed during combustion. A complex mixture of airborne solid, liquid, particles, and gases will evolve when this material undergoes pyrolysis or combustion.
Hazardous Polymerization:	Will not occur.

SECTION VI**HEALTH HAZARD DATA*****SIGNS AND SYMPTOMS OF EXPOSURE:***

Eyes:	Irritation, redness.
Dermal:	Dryness, irritation, redness.
Inhalation:	Vapors may irritate nose, throat, respiratory tract.
Ingestion:	Nausea, vomiting, dizziness, headache, blurred vision.

EMERGENCY AND FIRST AID PROCEDURES:

Eyes:	Immediately flush with large amounts of water for 15 minutes, holding eyelids open during flushing with water.
Dermal:	Wash with soap and water and then flush with water until all chemical is removed. Remove contaminated clothing promptly and wash before reuse. If irritation persists get medical attention.
Inhalation:	Remove to fresh air. If breathing has stopped, give artificial respiration, provided a qualified individual is available. If breathing is difficult, give oxygen, provided a qualified operator is available. Get prompt medical attention.
Ingestion:	If conscious, Do Not induce vomiting. This material is an aspiration hazard. Drink large amounts of water. Get medical attention. If vomiting occurs, give additional water. If drowsy or unconscious, place on left side with head down. Take immediately to hospital. Do Not attempt to induce vomiting or give anything by mouth to an unconscious person. If possible, do not leave individual unattended.

SECTION VII**TOXICOLOGICAL INFORMATION*****ACUTE HEALTH HAZARDS:***

Eye Contact:	Mildly irritating to eyes.
Skin:	Exposure may cause skin irritation. Prolonged, repeated exposure may cause drying, redness, and cracking of the skin.
Inhalation:	Inhalation of vapors or oil mist from this product may cause mild irritation to the respiratory tract.
Ingestion:	Ingestion of product may result in aspiration pneumonitis.

CHRONIC HEALTH HAZARDS:

None expected at the industrial level.

SECTION VIII**SPILL OR LEAK PROCEDURES*****STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:***

Dike area. Remove all sources of ignition. Ventilate area if necessary. Absorb free liquid with earth, sand, clay, or absorbent pads and place in non-leak containers for disposal. Flush area for trace residue and dispose of as below.

WASTE DISPOSAL METHOD:

In accordance with Local, State and Federal Laws.

SECTION IX**SPECIAL PROTECTION INFORMATION**

Respiratory Protection:	Normally not needed in a well-ventilated area. If workplace exposure limit of petroleum oil mist is exceeded (5mg/m ³), a NIOSH approved respirator is advised.
Ventilation:	Mechanical to maintain exposure below TLV(s).
Protective Gloves:	Rubber, neoprene or vinyl.
Eye Protection:	Goggles or safety glasses plus full face shield to protect against splashing when appropriate.
Other:	As needed to minimize exposure.
Hygienic Practices:	Emergency shower and eyewash facility should be in close proximity. Always wash face and hands after contact. Remove contaminated clothing and wash before reuse.
NFPA	H – 1, F – 1, R – 0

SECTION X**REGULATORY INFORMATION*****U.S. FEDERAL REGULATIONS:***

OSHA Standard 29 CFR 1910.1200 requires that information be provided to employees regarding the hazards of chemicals by means of a hazard communication program including labeling, material safety data sheets, training, and access to written records.

SARA/TITLE III HAZARD CATEGORIES:

If the word "yes" appears next to any category, this product may be reportable by you under the requirements of 40 CFR 370. Consult those regulations for details.

Immediate (Acute) Health:	NO
Delayed (Chronic) Health:	NO
Fire Hazard:	NO
Reactive Hazard:	NO
Sudden Release of Pressure:	NO

EPA/TSCA INVENTORY:

The components of this product are listed on the EPA/TSCA Inventory of Chemical Substances.

SECTION XI**NOTES**

The information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or results to be obtained from the use thereof. Vendor assumes no responsibility for injury to vendee or third person proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Additionally, vendor assumes no responsibility for injury to vendee or third persons proximately caused by abnormal use of the material even if reasonable safety procedures are followed. Furthermore, vendee assumes the risk in the use of this material.

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