

SAFETY DATA SHEET



1. IDENTIFICATION OF THE SUBSTANCE

Product Name: OYLUBE PROTECH EP-3
Product Information: LITHIUM BASE GREASE WITH EP
Supplier name: Molla Technical Services
Address: Plot No. 112 second service axis, 3th industrial zone, 6th of October city, Giza, EGYPT
Phone No. +0201000044890
Website: www.elmolla.com

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture:

Product definition: Mixture
Classification according to Regulation (EC) No. 1272/2008 [CLP/GHS]: Not Classified

2.2 Label elements

GHS Labeling Hazard Pictograms (GHS): Not Classified

WARNING:

- KEEP OUT OF REACH OF CHILDREN
- MAY CAUSE EYE IRRITATION
- MAY CAUSE SKIN IRRITATION
- HOT VAPORS MAY CAUSE RESPIRATORY IRRITATION

	NPCA-HMIS	KEY
HEALTH:	0	0 = Minimal
FIRE:	1	1 = Slight
REACTIVITY:	0	2 = Moderate
SPECIFIC HAZARD:	N/A	3 = Serious
PROTECTION INDEX:	B	4 = Severe.

Storage

Disposal P405 - Store locked up. P501 - Dispose of contents/container in accordance with all local, regional, national and international regulations. Not applicable

2.3 Other hazards

Substance meets the criteria for PBT according to Regulation (EC) No. 1907/2006, Annex XIII Not applicable

Substance meets the criteria for vPvB according to Regulation (EC) No. 1907/2006, Annex XIII Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Product/Ingredient name	Identifiers	%	Classification
Highly-refined Mineral Oils (Paraffinic)	CAS: 64741-88-4	82 - 95	Not classified.
Lithium Hydroxide	CAS: 1310-65-2	1 - 3	Not classified.
Zinc Dialkyl Dithiophosphate	CAS: 93819-94-4	1 - 3	Not classified.

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, are PBTs or vPvBs or have been assigned a workplace exposure limit and hence require reporting in this section.

4. FIRST – AID MEASURES

Inhalation:	This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air and keep at rest. Request medical attention if symptoms persist.
Skin Contact:	Remove contaminated clothing. Wash with plenty amount of water, using soap. In case of persistent irritation, get medical advice.
Eye Contact:	Rinse eyes thoroughly with lukewarm water for at least 15 minutes. Do not allow the person affected to rub or close their eyes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case this could cause further damage.
Ingestion:	Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth and throat, as they may have been affected during ingestion

5. FIRE FIGHTING MEASURES

Suitable Extinguishing media	If possible, use polyvalent powder (ABC powder), alternatively use foam or carbon dioxide (CO ₂) in accordance with the Regulation on fire protection systems.
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Unsuitable extinguishing media	IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.
Fire Fighting Protective Equipment	Fire – fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.
Specific Hazards	Hazardous combustion products may include-airborne solid and liquid particles and gases. Carbon monoxide may be evolved if incomplete combustion occurs

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Gloves, goggles and boots should be worn, as applicable. Surfaces on which the product has been spilled may become slippery.
Environmental precautions	Use appropriate containment to avoid environmental contamination. Prevent spreading or entering drains, ditches or rivers.
Method for cleaning up	Prevent from spreading or entering into drains, rivers by using appropriate barriers.
Recovery:	Use medical means such as pumps and skimmers Contain and collect the spilled product with sand or any other inert material. Do not discard into drains or sewers.
Disposal	Remit the soiled material to an authorized waste collector.

7. HANDLING AND STORAGE

7.1 General Precautions	Provide adequate ventilation in case of the potential formation of vapor, mist or spray Keep away from flammable material; keep away from food and beverages
7.2 Safe handling advice	Avoid prolonged and repeated contact with skin. Avoid inhaling vapor and mist. When handling product in drums, safety foot ware should be worn and proper handling equipment should be used
7.3 Safe Storage	Store at room temperature, protected against contact with water and moisture, and away from any source of ignition Keep containers clearly labelled and closed when not in use. Make the necessary arrangements and take all measures to prevent water and ground pollution. Dangerous reaction with strong oxidizing agents
7.4 Packaging materials	Use only hydrocarbon-resistant containers. Use mild steel or high-density polyethylene

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Biological occupational exposure limits	No biological limit allocated
Monitoring methods	Monitoring of the concentration of substances in the breathing zone of workers or in general workplace may be required
Exposure controls	The level of protection and types of controls necessary will vary depending upon potential exposure conditions. Select controls based on risk assessment of local circumstances
General Information	Define procedures for safe handling and maintenance controls. Educate and train workers in the hazards and control measures. Practice good housekeeping.
Personal protection equipment	PPE should meet recommended national standards.
Hand protection	Impermeable hydrocarbon – proof gloves
Eye Protection	Goggles, in case of splashing
Skin and body protection	As required, wear a face mask, hydrocarbon –proof clothing, and safety boots (when handling drums)
Respiratory protection	Not required under normal conditions of use
Hygiene measures	Avoid prolonged and repeated contact with the skin. If the product comes into contact with the skin, wash the affected area immediately and repeatedly with soap and water. Use no abrasives, solvents or petroleum spirit If the product comes into contact with the eyes, keep eyes open and rinse immediately and repeatedly with water for at least 15 minutes, and consult a specialist

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Homogeneous
Form	Semisolid
Colour	Blue
pH Value	N.A.
Drop Point	190° C
Melting point	N.A.
Flash Point of Base Oil used	>230° C
Auto Ignition Temperature	> 350 °C (ASTM E659). This temperature may be significantly lower under particular conditions
Explosive properties	N.A.
Vapour Pressure	Negligible
Vapour pressure (mmHg)	N.A.
Density at 15°C min. (g/ml)	N.A.
Solubility (water)	Insoluble and immiscible
Solubility (other)	Soluble in hydrocarbons.
Cone Penetration, @25°C:	220-250

10. STABILITY AND REACTIVITY

Reactivity	The product does not pose any further reactivity hazards
Chemical Stability	The product is stable under normal temperature of storage and handling
Hazardous Decomposition products	Not expected to form during normal storage
Incompatibility with other materials.	May react with strong oxidizing agents, such as chlorates, nitrates, peroxides etc.
Hazardous Polymerization	Hazardous polymerization will not occur.

11. TOXICOLOGY INFORMATION

11.1 Acute toxicity estimates:

These indications are based on the toxicological *data* for product constituents, evaluated in accordance with current regulations

ACUTE TOXICITY	Risk is improbable under normal conditions of use
Inhalation	Risk is improbable under normal conditions of use
Contact with the skin	Expected to be low toxicity
Ingestion	Expected to be low toxicity
SKIN IRRITATION Contact with the skin	Slightly irritating
GERM CELL MUTAGENICITY	Not considered a mutagenic hazard
CARCINOGENICITY	Not expected to be carcinogenic
REPRODUCTIVE TOXICITY	Not expected to impair fertility
ASPIRATION TOXICITY	Not considered an aspiration hazard

12. ECOLOGICAL INFORMATION

Ecological data has not been determined specifically for this product. Information given is based on knowledge of the components and the ecotoxicology of the similar products

12.1 Toxicity	Not expected to be harmful to aquatic organisms
12.2 Persistence and degradability	Expected to be partly biodegradable
12.3 Bio accumulative potential	Bioaccumulation is unlikely to be significant because of the low water solubility of this product.
12.4 Mobility in soil	Semi solid in most conditions. If enters soil, it will absorb to soil particles and will not be mobile
12.5 Results of PBT & vPvB Assessment	Not applicable.
12.6 Other adverse effects	Product is mixture of nonvolatile components and not expected

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	to be released to air Not expected to have ozone depletion potential. However, the "mineral oil" portion of the virgin product is intrinsically biodegradable, particular ingredients may not
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13. DISPOSAL CONSIDERATIONS

Product	Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations. Classification of the waste is always the responsibility of the end user
Disposal	The only method authorized in India is collection by an authorized waste contractor and regeneration or incineration in an approved installation
Disposal methods	Transmit to an authorized waste contractor for disposal

14. TRANSPORT INFORMATION

DOT Shipping Name	Not regulated as a hazardous material for transportation under 49CFR.
DOT Hazard Class	Not regulated as dangerous goods
DOT indentation number	Not regulated as dangerous goods
DOT packing group	Not regulated as dangerous goods
Additional information	Not regulated as dangerous goods
IMO/IMDG hazard class	Not regulated as dangerous goods
IMO/IMDG Identification number	Not regulated as dangerous goods
IMO / IMDG packing group	Not regulated as dangerous goods
ICAO/IATA Classification	Not regulated as dangerous goods

15. REGULATORY INFORMATION

EU Regulation (EC) No. 1907/2006 (REACH)

Other Regulations: Complies with IS 7623-1993 & NLGI specifications.

Annex XIV - List of substances subject to authorization

REACH-List of substances subject authorization	Product is not subject to authorization under REACH
Volatile organic compounds	0 %

Annex XVII - Restrictions on the manufacture,

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placing on the market and use of certain dangerous substances, mixtures and articles

Not applicable

16. OTHER INFORMATION

This Safety Data Sheet serves to complete but not to replace the technical product sheets. The information contained herein is given in good faith and is accurate to the best of our knowledge as the data indicated here above. It is understood by the user that any use of the product for purposes other than those for which it was designed entails potential risk.