

Material Safety Data Sheet

According to 1907/2006/EC, Article 31



Printing Date: 09 June 2020

Revision: 19 January 2017

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1 Identification of the substance/preparation and of the company/undertaking

Trade name: **linelube Lithium Moly EP2 Grease**

Relevant identified uses of the substance or mixture and uses advised against:

- Use of the substance/mixture: Lubricant
- No specific uses advised against are identified

Supplier:

Online Lubricants Ltd.
Unit 20, The IO Centre, Barking, London IG11 0DR
UK Tel. +44 (0) 208 507 0123

In case of emergency: **+44 (0) 208 507 0123**

2 Hazards identification

2.1. Classification of the substance or mixture

- Physical hazards Not Classified
- Health hazards Not Classified
- Environmental hazards Not Classified

2.2. Label elements

- Hazard statements NC Not Classified

2.3. Other hazards:

- This product does not contain any substances classified as PBT or vPvB.

3 Composition / Information on ingredients

3.1. Mixtures

- Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr)esters, zinc salts 1-5%
 - CAS number: 85940-28-9
 - EC number: 288-917-4
 - REACH registration number: 01- 2119521201-61-0000
 - Classification
 - Skin Irrit. 2 - H315
 - Eye Irrit. 2 - H319
 - Aquatic Chronic 2 - H411

The Full Text for all R-Phrases and Hazard Statements are Displayed in Section 16.

4 First-aid measures

4.1. Description of first aid measures

- General information If in doubt, get medical attention promptly. Show this Safety Data Sheet to the medical personnel.
- Inhalation No specific recommendations. If throat irritation or coughing persists, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if any discomfort continues.
- Ingestion No specific recommendations. If throat irritation or coughing persists, proceed as follows. Rinse mouth. Get

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medical attention if any discomfort continues.

- Skin contact: No specific recommendations. Rinse with water. Get medical attention if any discomfort continues.
- Eye contact Rinse with water. Get medical attention if any discomfort continues.
- Protection of first aiders Use protective equipment appropriate for surrounding materials.

4.2. Most important symptoms and effects, both acute and delayed

- General information: The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
- Inhalation: No specific symptoms known.
- Ingestion: No specific symptoms known. May cause discomfort if swallowed.
- Skin contact: Prolonged contact may cause dryness of the skin.
- Eye contact: No specific symptoms known. May be slightly irritating to eyes.

4.3. Indication of any immediate medical attention and special treatment needed

- Notes for the doctor Treat symptomatically.
- Specific treatments No special treatment required.

5 Fire Fighting Measures

5.1. Extinguishing media

- Suitable extinguishing media
 - The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
- Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture

- Lithium EP M Specific hazards None known.
- Hazardous combustion products Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

5.3. Advice for firefighters

- Protective actions during firefighting Avoid breathing fire gases or vapours. Evacuate area. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out.
- Special protective equipment for firefighters Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Firefighters' clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

6 Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

- No specific recommendations. For personal protection, see Section 8.

6.2. Environmental precautions

- Avoid discharge into drains or watercourses or onto the ground.

6.3. Methods and material for containment and cleaning up

- Cleaning up: Reuse or recycle products wherever possible.
- Collect spillage with a shovel and broom, or similar and reuse, if possible. Collect and place in suitable waste disposal containers and seal securely. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

6.4. Reference to other sections: For personal protection, see Section 8.

7 Handling and Storage

7.1. Precautions for safe handling

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- Usage precautions Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Keep container tightly sealed when not in use.
- Advice on general occupational hygiene
 - Wash promptly if skin becomes contaminated.
 - Take off contaminated clothing.
 - Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

- Storage precautions No specific recommendations.
- Storage class Unspecified storage.

7.3. Specific end use(s): The identified uses for this product are detailed in Section 1.2.

8 Exposure controls/personal protection

8.1. Control parameters

- Occupational exposure limits
 - 2-butoxyethanol
 - Long-term exposure limit (8-hour TWA): WEL 25 ppm 123 mg/m³
 - Short-term exposure limit (15-minute): WEL 50 ppm 246 mg/m³ Sk

Notes: WEL = Workplace Exposure Limit Sk = Can be absorbed through the skin.

8.2. Exposure controls

- **Appropriate engineering controls:** No specific ventilation requirements.
- **Eye/face protection:** No specific eye protection required during normal use. Large Spillages: Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible.
- **Hand protection:** No specific hand protection recommended. Large Spillages: Wear protective gloves.
- **Hygiene measures:** Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
- **Respiratory protection:** No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn.
- **Environmental exposure controls:** Not regarded as dangerous for the environment.



9 Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

- Appearance - Grease
- Colour - Grey to Black
- Odour - Almost odourless
- Melting point: >185°C
- Flash point: > 200°C 9.2.
- Other information: SECTION 10: Stability and reactivity

10 Stability and Reactivity

10.1. Reactivity: There are no known reactivity hazards associated with this product.

10.2. Chemical stability: Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.

10.3. Possibility of hazardous reactions: No potentially hazardous reactions known.

10.4. Conditions to avoid: There are no known conditions that are likely to result in a hazardous situation.

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10.5. Incompatible materials

- Materials to avoid No specific material or group of materials is likely to react with the product to produce a hazardous situation.

10.6. Hazardous decomposition products

- Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapours.

11 Toxicological Information

11.1. Information on toxicological effects

- Toxicological effects Not regarded as a health hazard under current legislation.
- Acute toxicity - oral
 - Notes (oral LD₅₀) Based on available data the classification criteria are not met.
- Acute toxicity - dermal
 - Notes (dermal LD₅₀) Based on available data the classification criteria are not met.
- Acute toxicity - inhalation
 - Notes (inhalation LC₅₀) Based on available data the classification criteria are not met.
- Skin corrosion/irritation
 - Animal data Based on available data the classification criteria are not met.
- Serious eye damage/irritation
 - Based on available data the classification criteria are not met.
- Respiratory sensitisation
 - Based on available data the classification criteria are not met.
- Skin sensitisation
 - Based on available data the classification criteria are not met.
- Germ cell mutagenicity
 - Genotoxicity - in vitro Based on available data the classification criteria are not met.
- Carcinogenicity
 - Based on available data the classification criteria are not met.
- IARC carcinogenicity
 - Contains a substance which may be potentially carcinogenic. IARC Group 3 Not classifiable as to its carcinogenicity to humans.
- Reproductive toxicity
 - Fertility Based on available data the classification criteria are not met.
 - Development Based on available data the classification criteria are not met.
- Specific target organ toxicity - single exposure
 - STOT - single exposure Not classified as a specific target organ toxicant after a single exposure.
- Specific target organ toxicity - repeated exposure
 - STOT - repeated exposure Not classified as a specific target organ toxicant after repeated exposure.
- Aspiration hazard
 - Not relevant. Solid.
- General information No specific health hazards known. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
- Inhalation No specific symptoms known.
- Ingestion No specific symptoms known. May cause discomfort if swallowed.
- Skin contact Prolonged contact may cause dryness of the skin.
- Eye contact No specific symptoms known. May be slightly irritating to eyes
- Route of entry
 - Ingestion
 - Inhalation
 - Skin and/or eye contact
- Target organs No specific target organs known.

12 Ecological Information

Ecotoxicity: Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment.

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- 12.1. Toxicity:** Based on available data the classification criteria are not met.
12.2. Persistence and degradability: The degradability of the product is not known.
12.3. Bioaccumulative potential: No data available on bioaccumulation.
12.4. Mobility in soil Mobility: No data available.
12.5. Results of PBT and vPvB assessment - No data available
12.6. Other adverse effects: None known

13 Disposal Considerations

13.1. Waste treatment methods

- **General information**
 - The generation of waste should be minimised or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way.
- **Disposal methods**
 - Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor.
 - Waste packaging should be collected for reuse or recycling.
 - Incineration or landfill should only be considered when recycling is not feasible.
 - Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority

14 Transport Information

General: The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

- 14.1. UN number:** Not applicable.
14.2. UN proper shipping name: Not applicable.
14.3. Transport hazard class(es): No transport warning sign required.
14.4. Packing group: Not applicable.
14.5. Environmental hazards: Not an environmentally hazardous substance/marine pollutant.
14.6. Special precautions for user: Not applicable.
14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable.

15 Regulatory Information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

- **National regulations Health and Safety at Work etc. Act 1974 (as amended).**
 - The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716).
 - The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
 - EH40/2005 Workplace exposure limits.
- **EU legislation Regulation**
 - (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended).
 - Commission Regulation (EU) No 453/2010 of 20 May 2010.
 - Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended).
 - Dangerous Preparations Directive 1999/45/EC.
 - Dangerous Substances Directive 67/548/EEC.

15.2. Chemical safety assessment: No chemical safety assessment has been carried out.

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16 Other Information

Training advice: Only trained personnel should use this material.

Hazard statements in full

- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.