

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 Complex EP2 Grease Blue**

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

- Use of the substance/mixture: Lubricants, greases, release products
- Use advised against: Do not use in any other application

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

- CLP: Aquatic Chronic 3: H412
- CHIP: This product has no classification under CHIP.

2.2 Label elements

- Precautionary Phrases:
 - P273 - Avoid release to the environment.
 - P501 - Dispose of contents/container to an authorised waste collection point
- Hazard phrases
 - H412 - Harmful to aquatic life with long lasting effects.

2.3 Other hazards

- PBT: This product is not identified as a PBT/vPvB substance.

3 Composition / Information on ingredients

3.1 Mixtures

- PHOSPHORODITHIOIC ACID, MIXED O,O-BIS(2-ETHYLHEXYLAND ISO-BU AND ISO-PR) ESTERS, ZINC SALTS
 - CAS Number: 85940-28-9
 - EC Number: 288-917-4
 - REACH Registration Number: Not Available.
 - Concentration: 1-10%
 - H Phrases:
 - Acute Tox. 4: H312
 - Skin Irrit. 2: H315
 - Eye Irrit. 2: H319
 - Aquatic Chronic 2: H411
 - Acute Tox. 4: H302

4 First-aid measures

4.1 Description of first aid measures

- Inhalation: Not applicable.
- Contact with eyes: Bathe the eye with running water for 15 minutes.
- Contact with skin: Wash immediately with plenty of soap and water.

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- Ingestion: Wash out mouth with water. Do not induce vomiting. Consult a doctor.

4.2 Most important symptoms and effects, both acute and delayed

- Skin contact: There may be mild irritation at the site of contact.
- Eye contact: There may be irritation and redness.
- Ingestion: There may be irritation of the throat.
- Inhalation: Not applicable.
- Delayed / immediate effects: Continuous skin contact may cause skin sensitivity and dermatitis

4.3 Indication of any immediate medical attention and special treatment needed - Not applicable.

5 Fire Fighting Measures

5.1 Extinguishing media:

- Suitable extinguishing media for the surrounding fire should be used.
- Use water spray to cool containers.
- Carbon dioxide.

5.2 Special hazards arising from the substance or mixture:

- In combustion emits toxic fumes of carbon dioxide / carbon monoxide.

5.3 Advice for firefighters:

- Wear self-contained breathing apparatus.
- Wear protective clothing to prevent contact with skin and eyes.

6 Accidental Release Measures

6.1 Personal precautions, protective equipment and emergency procedures - See Section 8

6.2 Environmental Precautions

- Do not discharge into drains or rivers. Contain the spillage using bunding.

6.3 Methods and material for containment and cleaning up

- Absorb into dry earth or sand. Transfer to a closable, labelled salvage container for disposal by an appropriate method.

6.4 Reference to other sections

- Refer to section 8 of SDS for personal protection details. Turn leaking containers leak side up to prevent the escape of liquid.

7 Handling and Storage

7.1 Precautions for safe handling

- Avoid direct contact with the substance.

7.2 Conditions for safe storage, including any incompatibilities

- Storage conditions: Store in cool, well-ventilated area. Keep away from sources of ignition.
- Keep container tightly closed.
- Suitable packaging: Not applicable.

7.3 Specific end use(s)

- See product label for usage and instruction.

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8 Exposure controls/personal protection

8.1 Control parameters

- Workplace exposure limits: No data available.
- DNEL / PNEC No data available.

8.2 Exposure controls

- Engineering measures: Not applicable.
- Respiratory protection: Respiratory protection not required.
- Hand protection: Protective gloves.
- Eye protection: Safety glasses.
- Skin protection: Protective clothing.
- Environmental: No special requirement.



9 Physical and Chemical Properties

9.1 Information on basic physical and chemical properties

- Appearance: Grease Blue
- Odour: Odourless
- Freezing point/Range: No information available
- Boiling Point/Range: No Data Available
- Melting point/Range: >200C
- Flashpoint: >200 C
- Oxidising Properties: No information available
- Autoignition Temperature >200 C
- Solubility in water: Insoluble in water.
- Relative density: 0.93
- Explosive Properties: Considered stable under normal conditions

9.2 Other information - Not applicable

10 Stability and Reactivity

10.1 Reactivity - Stable under recommended transport or storage conditions.

10.2 Chemical stability - Considered stable under normal conditions.

10.3 Possibility of hazardous reactions:

- Hazardous reactions will not occur under normal transport or storage conditions.
- Decomposition may occur on exposure to conditions or materials listed below.

10.4 Conditions to avoid: Avoid heat, flames and other sources of ignition.

10.5 Incompatible materials: Strong oxidising agents. Strong acids.

10.6 Hazardous Decomposition Products:

- Fire creates: Toxic gases/vapours/fumes/fumes of: Carbon monoxide (CO), Carbon dioxide (CO₂)

11 Toxicological Information

11.1 Information on toxicological effects

- Skin contact: There may be mild irritation at the site of contact.
- Eye contact: There may be irritation and redness.
- Ingestion: There may be irritation of the throat.
- Inhalation: Not applicable.
- Delayed / immediate effects: Continuous skin contact may cause skin sensitivity and dermatitis

Other information: Not applicable.

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12 Ecological Information

12.1 Toxicity - No data available.

12.2 Persistence and degradability - Biodegradable in part only.

12.3 Bioaccumulation Potential: Slightly bio accumulable.

12.4 Mobility in soil - Insoluble in water. Floats on water. Absorbed only slowly into soil.

12.5 Results of PBT and vPvB assessment - This product is not identified as a PBT/vPvB substance.

12.6 Other Adverse Effects - Negligible ecotoxicity.

13 Disposal Considerations

13.1 Waste treatment methods

- Disposal operations: Transfer to a suitable container and arrange for collection by specialised disposal company.
- Recovery operations: Not applicable.
- Disposal of packaging: Dispose of as normal industrial waste.

NB: The user's attention is drawn to the possible existence of regional or national regulations regarding disposal.

14 Transport Information

14.1 UN Number: Not classified as hazardous for transport

14.2 UN Proper Shipping Name: Not classified as hazardous for transport

14.3 Transport hazard class(es): Not classified.

14.4 Packing group: IMDG Packing group N/A

14.5 Environmental hazards: Not classified as hazardous for marine transport

14.6 Special precautions for user: Tunnel Restriction Code N/A

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC code: Not relevant

15 Regulatory Information

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

- Specific regulations: Not applicable.

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15.2 Chemical Safety Assessment

- No chemical assessment has been carried out as this Safety Data Sheet is for a mixture.

16 Other Information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:

H302: Harmful if swallowed.

H312: Harmful in contact with skin.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

Other information:

This safety data sheet is prepared in accordance with Commission Regulation (EU) No. 453/2010.