



SECTION 1 - Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

| | |
|-------------------|--------------------|
| Product name | Lithium EP2 LVX M2 |
| Product number | 0251/0740 |
| Product reference | CV grease |

1.2. Relevant identified uses of the substance or mixture and uses advised against

| | |
|----------------------|---|
| Identified uses | Lubricating grease. |
| Uses advised against | No specific uses advised against are identified |
| Reasons | Not applicable |

1.3. Details of the supplier of the safety data sheet

| | |
|---------|--|
| Company | Bailcast Limited |
| Address | Unit 8 Chorley North Industrial Park Chorley Lancashire PR6 7BX United Kingdom +44 (0) 1257 266 060 enquiries@bailcast.com |

1.4. Emergency telephone number

| | |
|---------------------|---|
| Emergency telephone | +44 (0) 1257 266 060 08:30 – 16:00 GMT, Mon – Thur 08:30 – 15:00 GMT, Fri |
|---------------------|---|



SECTION 2 - Hazards identification

2.1. Classification of the substance or mixture - according to Regulation (EC 1272/2008)

| | |
|------------------------|----------------|
| Physical hazards | Not Classified |
| Health hazards | Not Classified |
| Environmental hazards | Not Classified |
| Additional Information | Not applicable |

2.2. Label elements - according to Regulation (EC 1272/2008)

| | |
|--------------------------|----------------|
| Hazard pictograms | Not Classified |
| Signal Word | Not Classified |
| Hazard statements | Not Classified |
| Precautionary statements | Not Classified |

2.3. Other hazards

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



SECTION 3 - Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

| | |
|-----------------------------------|---|
| Description of the mixture | Phosphorodithioic acid, O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr)esters, zinc salts |
| REACH registered number | 01- 2119521201-61-0000 |

| EINECS | CAS | PBT/WEL | CLP Classification | Percent |
|-----------|------------|---------|---|---------|
| 288-917-4 | 85940-28-9 | | H315 - Causes skin irritation H319 - Causes serious eye irritation H411 - Toxic to aquatic life with long lasting effects | 1-2.5% |

The Full Text for all Hazard and Precautionary Statements are Displayed in Section 16.



SECTION 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 follow: P340 - Remove victim to fresh air and keep at rest in a position comfortable for breathing. P313 - Get medical advice/attention. |
| Skin contact | No specific recommendations. If signs of discomfort are visible proceed as follows: P352 - Wash with plenty of soap and water. P361 - Remove/Take off immediately all contaminated clothing. P332 + 313 - If skin irritation occurs: Get medical advice/attention. P363 - Wash contaminated clothing before reuse. |
| Eye contact | P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P313 - Get medical advice/attention. |
| Ingestion | No specific recommendations. If throat irritation or coughing persists, proceed as follows. P330 - Rinse mouth. P313 - Get medical advice/attention. |
| 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. |
| Skin contact | Prolonged contact may cause dryness of the skin. |
| Eye contact | No specific symptoms known. May be slightly irritating to eyes. |
| Ingestion | No specific symptoms known. May cause discomfort if swallowed. |
| Delayed/immediate effects | Not applicable |

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

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



SECTION 5 – Firefighting measures

5.1. Extinguishing media

Suitable 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 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

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 fire-fighters

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. Firefighter's clothing conforming to European standard EN469 (including helmets, protective boots and gloves) will provide a basic level of protection for chemical incidents.

5.4. Additional information

Additional information | Not Applicable

SECTION 6 – Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Personal precautions | No specific recommendations. Refer to section 8 of SDS for personal protection details.

6.2. Environmental precautions

Environmental precautions | P273 - Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

For containment | 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.

For cleaning up | Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dispose of contents/container in accordance with national regulations.

Other information | Not Applicable

6.4. Reference to other sections

Reference to other sections | For personal protection, see Section 8. For waste disposal, see Section 13.



SECTION 7 – Handling and storage

7.1. Precautions for safe handling

| | |
|---|--|
| 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. P233 - Keep container tightly closed. |
| Advice on general occupational hygiene | P302 + P352 - IF ON SKIN: Wash with plenty of water. P362 - Take off contaminated clothing. P363 - Wash contaminated clothing before reuse. |

7.2. Conditions for safe storage, including any incompatibilities

| | |
|----------------------------|---|
| Storage precautions | Store away from incompatible materials (see Section 10). No specific recommendations. |
| Storage class | Unspecified storage. |
| Suitable packaging | Unspecified storage. |

7.3. Specific end use(s)

| | |
|--------------------------|---|
| Specific end uses | The identified uses for this product are detailed in Section 1.2. |
|--------------------------|---|



SECTION 8 – Exposure controls/personal protection

8.1. Control parameters

Not applicable

8.2. Exposure controls

| | |
|-------------------------------|--|
| Engineering measures | No specific ventilation requirements. |
| Respiratory protection | No specific recommendations. Provide adequate ventilation. Large Spillages: If ventilation is inadequate, suitable respiratory protection must be worn. |
| Hand protection | No specific hand protection recommended. Large Spillages: Wear protective gloves. |
| Eye 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. |
| Skin protection | See above. |
| Environment exposure | Not regarded as dangerous for the environment. |
| Hygiene measures | Wash after use and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product. |

SECTION 9 – Physical and Chemical Properties
9.1. Information on basic physical and chemical properties

| | | |
|---|--------------------------------|-----------------------------------|
| Appearance | Grease | |
| Physical state | Not applicable | |
| Colour | Grey to Black | |
| Odour | Almost odourless | |
| Odour threshold | No information available | |
| pH | Not applicable | |
| Melting point/range °C | >185°C | |
| Initial boiling point/range °C | No information available | |
| Flash point | > 200°C | |
| Evaporation rate | No information available | |
| Flammability (solid, gas) | No information available | |
| Flammability or explosive limits | Lower Not available | Upper Not available |
| Vapour pressure | No information available | |
| Vapour density | No information available | |
| Relative density | No information available | |
| Solubility(ies) | Insoluble in water. | |
| Partition coefficient | No information available | |
| Auto-ignition temperature | No information available | |
| Decomposition Temperature | No information available | |
| Viscosity | Dynamic Not available | Kinematic 150 cSt @ 40°C |
| Explosive properties | Not considered to be explosive | |
| Oxidising properties | Not applicable | |
| 9.2. Other information | | |
| Other information | Not applicable | |

SECTION 10 – Stability and reactivity**10.1. Reactivity**

Reactivity | See the other subsections of this section for further details.

10.2. Chemical stability

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

10.3. Possibility of hazardous reactions

Hazardous reactions | No potentially hazardous reactions known.

10.4. Conditions to avoid

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

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

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.



SECTION 11 – Toxicological information

11.1. Information on toxicological effects

| | |
|--|--|
| Toxicological effects | Not regarded as a health hazard under current legislation |
| Acute toxicity – oral ^(LD50) | Based on available data the classification criteria are not met. |
| Acute toxicity – dermal ^(LD50) | Based on available data the classification criteria are not met |
| Acute toxicity – inhalation ^(LC50) | Based on available data the classification criteria are not met |
| Skin corrosion/irritation | 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. |
| 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 | None of the ingredients are listed or exempt |
| Reproductive toxicity - fertility | Based on available data the classification criteria are not met. |
| Reproductive toxicity - development | Based on available data the classification criteria are not met. |
| STOT - single exposure | Not classified as a specific target organ toxicant after a single 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 exposure | Ingestion, Inhalation, Skin and/or eye contact |
| Target organs | No specific target organs known |

SECTION 12 – Ecological Information**12.1. Toxicity**

| | |
|--------------------|---|
| Toxicity | Based on available data the classification criteria are not met. |
| Ecotoxicity | Not regarded as dangerous for the environment. However, large or frequent spills may have hazardous effects on the environment. |

12.2. Persistence and degradability

| | |
|--------------------------------------|--|
| Persistence and degradability | The degradability of the product is not known. |
|--------------------------------------|--|

12.3. Bio accumulative potential

| | |
|-----------------------------------|---------------------------------------|
| Bio accumulative potential | No data available on bioaccumulation. |
| Partition coefficient | No information available. |

12.4. Mobility in soil

| | |
|-----------------|--------------------|
| Mobility | No data available. |
|-----------------|--------------------|

12.5. Results of PBT and vPvB assessment

| | |
|---------------------------|-------------|
| PBT identification | None known. |
|---------------------------|-------------|

12.6. Other adverse effects

| | |
|------------------------------|-------------|
| Other adverse effects | None known. |
|------------------------------|-------------|



SECTION 13 – Disposal considerations

13.1. Waste treatment methods - Directive 2008/98/EC (Waste Framework Directive)

| | |
|------------------------------|--|
| General information | Within the present knowledge of the supplier, this product is not regarded as hazardous waste, as defined by Directive 2008/98/EC. 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 should not be disposed of untreated to the sewer unless fully compliant with the requirements of the local water authority. |
| Waste code number | None known. |
| Disposal of packaging | Waste packaging should be collected for reuse or recycling. Incineration or landfill should only be considered when recycling is not feasible. |

SECTION 14 – Transport information
14.1. UN number

| | |
|-----------|----------------|
| UN number | Not applicable |
|-----------|----------------|

14.2. UN proper shipping name

| | |
|---------------|----------------|
| Shipping name | Not applicable |
|---------------|----------------|

14.3. Transport hazard class(es)

| | | | |
|-----------------|---|-----------------|-------------------------------------|
| Transport class | The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID) | Hazard label(s) | No transport warning sign required. |
|-----------------|---|-----------------|-------------------------------------|

14.4. Packing group

| | |
|---------------|----------------|
| Packing group | Not applicable |
|---------------|----------------|

14.5. Environmental hazards

| | | | |
|---------------------------|-------------------------------------|------------------|----|
| Environmentally hazardous | Environmentally hazardous substance | Marine pollutant | No |
|---------------------------|-------------------------------------|------------------|----|

14.6. Special precautions for user

| | |
|---------------------|----------------|
| Special precautions | Not applicable |
|---------------------|----------------|

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

| | |
|--|----------------|
| Transport in bulk according to Annex II of MARPOL and the IBC Code | Not applicable |
|--|----------------|

| | |
|------------------------|----------------|
| Additional information | Not applicable |
|------------------------|----------------|



SECTION 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 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 2015/830 of 28 May 2015. 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). |

15.2. Chemical safety assessment

Chemical safety assessment | No chemical safety assessment has been carried out

Inventories

US - TSCA | None of the ingredients are listed or exempt
12(b) Export Notification | None of the ingredients are listed or exempt



SECTION 16 – Other information

| | |
|-----------------------------------|--|
| Other information | <p>This safety data sheet is prepared in accordance with Commission Regulation (EU) No 2015/830 - The Classification, Labelling and Packaging Regulations (The "CLP" Regulations)</p> <p>Some information in this datasheet was sourced from third parties including: European Chemicals Agency, http://echa.europa.eu/</p> <p>UNECE, http://www.unece.org/</p> |
| Abbreviations and acronyms | <p>ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.</p> <p>ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways.</p> <p>RID: European Agreement concerning the International Carriage of Dangerous Goods by Rail.</p> <p>IATA: International Air Transport Association.</p> <p>ICAO: Technical Instructions for the Safe Transport of Dangerous Goods by Air.</p> <p>IMDG: International Maritime Dangerous Goods.</p> <p>CAS: Chemical Abstracts Service.</p> <p>ATE: Acute Toxicity Estimate.</p> <p>LC50: Lethal Concentration to 50 % of a test population.</p> <p>LD50: Lethal Dose to 50% of a test population (Median Lethal Dose).</p> <p>EC50: 50% of maximal Effective Concentration.</p> <p>PBT: Persistent, Bio accumulative and Toxic substance.</p> <p>vPvB: Very Persistent and Very Bio accumulative.</p> |
| Training advice | <p>Only trained personnel should use this material.</p> |
| Hazard statements in full | <p>H315 - Causes skin irritation.</p> <p>H319 - Causes serious eye irritation.</p> <p>H411 - Toxic to aquatic life with long lasting effects</p> |
| Legal disclaimer | <p>The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.</p> |