

# Lithium EP2 Grease - Safety Data Sheet

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| <b>SECTION 1</b> | <b>IDENTIFICATION OF SUBSTANCE/MIXTURE AND OF COMPANY/UNDERTAKING</b> |
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| <b>1.1 Product Identifier</b>  | Lithium EP2 Grease  |  |
| <b>Product Code</b>  | 526001  |  |
| <b>1.2 Relevant identified uses of the substance or mixture and uses advised against</b> | Lubricating grease<br>Do not use in any other application.                          |  |
| <b>1.3 Supplier</b>  | T.I Midwood & Co. Ltd<br>TIMCO House<br>Green Lane<br>Wardle<br>Nantwich<br>CW5 6BJ | T.I Midwood & Co. Ltd<br>Aviemore House<br>Hill Street<br>Monahan<br>Ireland |
| <b>1.4 Emergency Telephone Number</b>  | 01865 407333 (24 hour service)  |  |

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| <b>SECTION 2</b> | <b>HAZARD IDENTIFICATION</b> |
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| <b>2.1 Classification of the substance or mixture</b>                        | <b>CLP Classification:</b><br>No classification required<br>Not classified as dangerous for the Environment<br><hr style="border-top: 1px dashed black;"/> <b>Classification to DPD (1999/45/EC) and CHIP</b><br>No classification required |
| See section 16 for full text of H and R phrases<br><b>2.2 Label Elements</b> | <b>Labelling in accordance with CLP</b><br>None<br><br><b>Labelling in accordance with CHIP</b><br>None   |
| <b>2.3 Other Hazards</b>   | PBT: This substance is not identified as a PBT substance.   |

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| <b>SECTION 3</b> | <b>COMPOSITION/ INFORMATION ON INGREDIENTS</b> |
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| <b>3.2 Mixtures</b>  |                |                       |   |                |
| <b>Hazardous Ingredients</b>   | <b>CAS No.</b> | <b>REACH Reg. No.</b> | <b>GHS Classification</b>   | <b>Conc. %</b> |
| Phosphorodithioic acid, mixed O,O-bis(2-ethylhexyl and iso-Bu and iso-Pr) esters, zinc salts | 85940-28-9     | 01-211952121-61       | Skin Irrit. 2; H315<br>Eye. Irrit. 2; H319<br>Aquatic Chronic 2; H411 | <1.5           |
| The mineral oil contains less than 3% DMSO extract as measured by IP 346                     |                |                       |   |                |

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| <b>SECTION 4</b> | <b>FIRST AID MEASURES</b> |
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| <b>4.1 Description of first aid measures</b>  | <b>Eyes</b> Wash out eye with plenty of water. Obtain medical assistance if soreness or redness persists.<br><b>Skin</b> Wash skin with soap and water. If grease has been injected under the skin, seek medical advice immediately.<br><b>Ingestion</b> Do not induce vomiting. Obtain medical attention.<br><b>Inhalation</b> No risk from inhalation. |
| <b>4.2 Most important symptoms and effects, both acute and delayed</b>                          | No ill effects   |
| <b>4.3 Indication of immediate medical attention and special treatment needed, if necessary</b> | Eye Contact: immediately washout with plenty of water  |

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| <b>SECTION 5</b> | <b>FIRE-FIGHTING MEASURES</b> |
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| 5.1 Extinguishing media                                    | Use water spray to cool containers. Use foam, dry chemical, carbon dioxide or suitable extinguishing media. |
| 5.2 Specific hazards arising from the substance or mixture | This product may give rise to hazardous fumes in a fire.  |
| 5.3 Advice for fire-fighters                               | Wear self-contained breathing apparatus.  |

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| <b>SECTION 6</b> | <b>ACCIDENTAL RELEASE MEASURES</b> |
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| 6.1 Personal precautions, protective equipment and emergency procedures | See Section 8 for protective equipment.<br>Wash down floor area as spillage may be slippery. Larger spillage should be contained with sand or earth and collected in salvage container for disposal.  |
| 6.2 Environmental precautions   | Protect drains from potential spills to minimise contamination. Do not wash product into drainage system.<br>In the case of large spills contact the appropriate authorities. In the case of spillage on water, prevent the spread of product by the use of suitable barrier equipment. Recover product from the surface. Protect environmentally sensitive areas and water supplies. |
| 6.3 Methods and material for containment and cleaning up                | Absorb into dry earth or sand. Protect drains using drain covers. Dispose of as hazardous waste.  |
| 6.4 Reference to other sections   | Personal protective equipment: See section 8  |

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| <b>SECTION 7</b> | <b>HANDLING AND STORAGE</b> |
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| 7.1 Precautions for safe handling                                | Avoid direct contact with the substance - Wear gloves. Care should be taken with dispensing equipment not to inject product under the skin. |
| 7.2 Conditions for safe storage, including any incompatibilities | Store in a cool well-ventilated area.   |
| 7.3 Specific end use(s)  | Intended for use as a high temperature lubricating grease.  |

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| <b>SECTION 8</b> | <b>EXPOSURE CONTROLS/PERSONAL PROTECTION</b> |
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| 8.1 Control parameters |   |                         |                      |
| Country                | Substance   | Long Term (8 Hours TWA) | Short Term (15 Mins) |
| None assigned          |   |                         |                      |
| 8.2 Exposure controls  | <b>Hand Protection:</b> PVC gloves<br><b>Eye Protection:</b> Wear approved safety goggles<br><b>Skin Protection:</b> Normal work wear<br><b>Respiratory Protection:</b> N/A |                         |                      |

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| <b>SECTION 9</b> | <b>PHYSICAL AND CHEMICAL PROPERTIES</b> |
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| 9.1 Information on basic physical and chemical properties | Does not constitute a specification |
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| <b>Typical Values</b><br><b>Grades:</b>      |              | Lithium EP2 Grease                   |
|  | <b>Units</b> |                                      |
| Appearance                                   |              | Brown smooth semi-fluid/stiff grease |
| Odour  |              | Odourless                            |
| Odour Threshold                              |              | No data available                    |
| pH   |              | Not applicable                       |
| Relative density                             | kg/l         | 0.89-0.93                            |
| Solubility - water                           |              | Insoluble                            |
| Melting Point                                | °C           | >185                                 |
| Initial boiling point and range              | °C           | No data available                    |
| Flash point (PMCC)                           | °C           | >200                                 |
| Flammability                                 |              | Auto-flammability > 200°C            |
| Upper/lower flammability or explosive limits |              | No data available                    |

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|---------------------------------------|--------------------|-------------------|
| Vapour pressure                       | kPa (0.1 mm Hg)    | Not applicable    |
| Partition coefficient n-octanol/water | Log Pow            | Not applicable    |
| Autoignition temperature              | °C                 | >200              |
| Decomposition temperature             |                    | No data available |
| Viscosity                             | mm <sup>2</sup> /s | No data available |
| Evaporation rate                      |                    | Not applicable    |
| Vapour density                        |                    | Not applicable    |
| Explosive properties                  |                    | No data available |
| Oxidising properties                  |                    | None              |

9.2 Other Information Not Applicable.

## SECTION 10 STABILITY AND REACTIVITY

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| 10.1 Reactivity                         | Stable at ambient temperatures.   |
| 10.2 Chemical stability                 | Stable under normal conditions of use   |
| 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                | Heat  |
| 10.5 Incompatible materials             | Strong oxidising agents   |
| 10.6 Hazardous decomposition products   | Combustion will generate: smoke, carbon dioxide and carbon monoxide.  |

## SECTION 11 TOXICOLOGICAL INFORMATION

### 11.1 Information on toxicological effects

#### Acute Toxicity

- Oral No toxic components present at levels to cause classification.
- Inhalation No toxic components present at levels to cause classification.
- Dermal No toxic components present at levels to cause classification.

#### Corrosivity/Irritation

- Eye No components present that cause classification as an eye irritant.
- Skin No components present that cause classification as a skin irritant.
- Respiratory Tract No components present that cause classification as a respiratory irritant.

#### Sensitisation

- Skin No evidence of sensitisation effects.
- Respiratory No evidence of sensitisation effects.

#### Repeated-dose Toxicity

No data available.

#### Mutagenicity

No evidence of mutagenicity.

#### Carcinogenicity

No evidence of carcinogenicity.

#### Reproductive Toxicity

No evidence of reproductive toxicity.

## SECTION 12 ECOLOGICAL INFORMATION

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| 12.1 Toxicity                           | No information available.  |
| 12.2 Persistence and Degradability      | Only slightly biodegradable.   |
| 12.3 Bioaccumulative Potential          | This product, as supplied, is not expected to bio-accumulate.          |
| 12.4 Mobility in Soil                   | This product is poorly absorbed onto soils or sediments. Non-volatile. |
| 12.5 Results of PBT and vPvB Assessment | This substance is not identified as a PBT or a vPvB substance.         |
| 12.6 Other Adverse Effects              | None known.  |

## SECTION 13 DISPOSAL CONSIDERATIONS

### 13.1 Waste Treatment Methods

Send to registered waste disposal site using services of a registered waste disposal contractor. 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.

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| <b>SECTION 14</b> | <b>TRANSPORT INFORMATION</b> |
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Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations.

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|--|---|
| <b>14.1 UN Number</b>  | None  |
| <b>14.2 UN Proper Shipping Name</b>  | None  |
| <b>14.3 Transport Hazard Class</b>   | None  |
| <b>14.4 Packing Group</b>  | None  |
| <b>14.5 Environmental Hazards</b>  | Not classified as an Environmentally hazardous substance/Marine Pollutant |
| <b>14.6 Special Precautions for User</b>   |   |
| <b>14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable to packaged goods  |

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| <b>SECTION 15</b> | <b>REGULATORY INFORMATION</b> |
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| <b>15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture</b> | Supply regulations: DPD: Dangerous Preparations Directive; GHS: Globally Harmonised System of classification and labelling of chemicals; CLP: Classification, Labelling and Packaging regulations. Transport regulations: CDG: Carriage of Dangerous Goods regulations; ADR/RID/IMDG/ICAO/IATA regulations. |
| <b>15.2 Chemical Safety Assessment</b>   | A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.   |

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| <b>SECTION 16</b> | <b>OTHER INFORMATION</b> |
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Third Issue  
Second Issue March 2015: Changed composition  
First Issue November 2013: Changed to new format.

**Full text of classification data in sections 2 and 3**

|                         |   |
|-------------------------|---|
| Skin Irrit. 2; H315     | Causes skin irritation                          |
| Eye Irrit. 2; H319      | Causes serious eye irritation                   |
| Aquatic Chronic 2; H411 | Toxic to aquatic life with long lasting effects |