



## Safety Data Sheet For 04453 – Lithium Multi Purpose Grease

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY NAME

**1.1 Product Identifier**                      Libra EP 2

**Product Code**                                Z005

**1.2 Relevant identified uses of the substance or mixture and uses advised against**    Lubricating Grease  
Do not use in any other application.

**1.4 Emergency Telephone Number**    +44 (0) 121 568 6800 (Monday – Friday 08.30 – 17.00 hrs GMT)

### 2. HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

#### CLP Classification:

No classification required  
Not classified as dangerous for the Environment

See section 16 for full text of H and R phrases

#### Classification to DPD (1999/45/EC) and CHIP

No classification required

#### 2.2 Label Elements

#### Labelling in accordance with CLP

None

#### Labelling in accordance with CHIP

None

#### 2.3 Other Hazards

PBT: This substance is not identified as a PBT substance.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.2 Mixtures

##### Hazardous Ingredients

Phosphorodithioic acid,  
mixed O, O-bis (2-ethylhexyl  
and iso-Bu and iso-Pr) esters,  
zinc salts

##### CAS No.

85940-28-9

##### REACH Reg. No.

01-211952121-61

##### GHS Classification

Skin Irrit. 2; H315  
Eye. Irrit. 2; H319  
Aquatic Chronic 2; H411

##### Conc. %

<1.5

The mineral oil contains less than 3% DMSO extract as measured by IP 346

### FIRST AID MEASURES

#### 4.1 Description of first aid measures

**Eyes**    Wash out eye with plenty of water. Obtain medical assistance if soreness or redness persists.

**Skin**    Wash skin with soap and water. If grease has been injected under the skin, seek medical advice immediately.

**Ingestion**    Do not induce vomiting. Obtain medical attention.

**Inhalation**    No risk from inhalation.

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

No ill effects

#### 4.3 Indication of immediate medical attention and special treatment needed, if necessary

Eye Contact: immediately washout with plenty of water

## 5. FIRE FIGHTING MEASURES

### 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.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 Personal precautions, protective equipment and emergency procedures

See Section 8 for protective equipment.

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. 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

## 7. HANDLING AND STORAGE

### 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.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 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                   |
| <b>Eye Protection:</b>         | Wear approved safety goggles |
| <b>Skin Protection:</b>        | Normal work wear             |
| <b>Respiratory Protection:</b> | N/A                          |

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Does not constitute a specification

|                           |              |                                      |
|---------------------------|--------------|--------------------------------------|
| <b>Grades:</b>            |              | Libra EP 2                           |
| <b>Appearance</b>         | <b>Units</b> | Brown smooth semi-fluid/stiff grease |
| <b>Odour</b>              |              | Odourless                            |
| <b>Odour Threshold</b>    |              | No data available                    |
| <b>pH</b>                 |              | Not applicable                       |
| <b>Relative density</b>   | <b>kg/l</b>  | 0.89-0.93                            |
| <b>Solubility – water</b> |              | Insoluble                            |
| <b>Melting Point</b>      | <b>°C</b>    | >185                                 |

|   |                    |                           |
|---|--------------------|---------------------------|
| <b>Initial boiling point and range</b>              | °C                 | No data available         |
| <b>Flash point (PMCC)</b>                           | °C                 | >200                      |
| <b>Flammability</b>                                 |                    | Auto-flammability > 200°C |
| <b>Upper/lower flammability or explosive limits</b> |                    | No data available         |
| <b>Vapour pressure</b>                              | kPa (0.1 mm Hg)    | Not applicable            |
| <b>Partition coefficient n-octanol/water</b>        | Log Pow            | Not applicable            |
| <b>Autoignition temperature</b>                     | °C                 | >200                      |
| <b>Decomposition temperature</b>                    |                    | No data available         |
| <b>Viscosity</b>                                    | mm <sup>2</sup> /s | No data available         |
| <b>Evaporation rate</b>                             |                    | Not applicable            |
| <b>Vapour density</b>                               |                    | Not applicable            |
| <b>Explosive properties</b>                         |                    | No data available         |
| <b>Oxidising properties</b>                         |                    | None                      |

## 9.2 Other Information

Not Applicable

## 10. STABILITY AND REACTIVITY

|  |   |
|--|---|
| <b>10.1 Reactivity</b>                         | Stable at ambient temperatures.   |
| <b>10.2 Chemical stability</b>                 | Stable under normal conditions of use   |
| <b>10.3 Possibility of hazardous reactions</b> | Hazardous reactions will not occur under normal transport or storage conditions. Decomposition may occur on exposure to conditions or materials listed below. |
| <b>10.4 Conditions to avoid</b>                | Heat  |
| <b>10.5 Incompatible materials</b>             | Strong oxidising agents   |
| <b>10.6 Hazardous decomposition products</b>   | Combustion will generate: smoke, carbon dioxide and carbon monoxide.  |

## 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 are classified as eye irritants.         |
| - Skin              | No components present that are classified as a skin irritant        |
| - Respiratory Tract | No components present that are classified as respiratory irritants. |

#### Sensitisation

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

#### Repeated-dose Toxicity

|                              |                                       |
|------------------------------|---------------------------------------|
| <b>Mutagenicity</b>          | No data available.                    |
| <b>Carcinogenicity</b>       | No evidence of mutagenicity.          |
| <b>Reproductive Toxicity</b> | No evidence of carcinogenicity.       |
|                              | No evidence of reproductive toxicity. |

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL RECOMMENDATIONS

### 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.

## 14. TRANSPORT INFORMATION

Not classified as dangerous goods for carriage under ADR/RID/AND/IMDG/ICAO/IATA regulations.

**14.1 UN Number** None

**14.2 UN Proper Shipping Name** None

**14.3 Transport Hazard Class** None

**14.4 Packing Group** None

**14.5 Environmental Hazards** Not classified as an Environmentally hazardous substance/Marine Pollutant

**14.6 Special Precautions for User**

**14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable to packaged goods

## 15. REGULATORY INFORMATION

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

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.

### 15.2 Chemical Safety Assessment

A chemical safety assessment has not been carried out for the substance or the mixture by the supplier.

## 16. OTHER INFORMATION

### 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 |

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