

Preparation Date: 01-May-2017  
Revision Number: 2.2  
Revision Date: 13-Sep-2024  
Date of Next Revision: 12-Sep-2029

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

**Product Name** DELAVAL GREASE SILIKON GLK 112  
**Item#:** OP3001  
**Recommended use** Lubricant  
**Uses advised against** Restricted to professional users

**Supplier** DeLaval Ltd,  
82 Greenwood street,  
Hamilton  
New Zealand

**Telephone Number** (07) 849-6020  
(8am - 4:30pm Mon-Fri)

**Emergency Telephone Number** 0800 764 766 (National Poison Centre)  
0800 243 622 CHEMCALL

## 2. HAZARD IDENTIFICATION

### 2.1. Classification of the substance or mixture according to GHS

Not Hazardous.

### 2.2. Label Elements

Not Hazardous.

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical nature of the preparation |            | Chemical nature of the preparation |          |
|------------------------------------|------------|------------------------------------|----------|
| Chemical name                      | CAS No     |                                    | Weight-% |
| Lithium 12-hydroxystearate         | 7620-77-1  |                                    | 10 - 30% |
| Dilithium azelate                  | 38900-29-7 |                                    | 1 - 10%  |

## 4. FIRST AID MEASURES

**Workplace Facilities** Eyewash bottle with clean water

**Eye contact** Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes

|                     |   |
|---------------------|---|
|                     | If eye irritation persists, consult a specialist  |
| <b>Skin contact</b> | Remove contaminated clothing and shoes<br>Get medical attention if irritation develops and persists<br>Wash off with soap and plenty of water                                     |
| <b>Inhalation</b>   | Move to fresh air<br>Get medical attention if symptoms occur<br>Remove person to rest.<br>If breathing is difficult, give oxygen<br>If not breathing, give artificial respiration |
| <b>Ingestion</b>    | Move person to fresh air. Do not induce vomiting without medical advice.  |

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| <b>5. FIRE-FIGHTING MEASURES</b> |
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| <b>Hazchem Code</b>  | No Hazchem Code allocated  |
| <b>Flammable Properties</b>                                  | No information available.  |
| <b>Suitable Extinguishing Media</b>                          | Water spray. alcohol-resistant foam. Dry chemical. Carbon dioxide (CO2).   |
| <b>Unsuitable Extinguishing Media</b>                        | high volume water jet.   |
| <b>Specific hazards arising from the chemical</b>            | Carbon monoxide. Carbon dioxide (CO2). Metal oxide/oxides.   |
| <b>Protective Equipment and Precautions for Firefighters</b> | Standard procedure for chemical fires. Use personal protective equipment. In the event of fire, wear self contained breathing apparatus. |

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| <b>6. ACCIDENTAL RELEASE MEASURES</b> |
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|                                  |   |
|----------------------------------|---|
| <b>Personal precautions</b>      | Evacuate personnel to safe areas. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid breathing mist or vapor. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. |
| <b>Environmental Precautions</b> | Avoid dispersal of spilt material into waterways, drains, and sewers. Prevent further leakage or spillage if safe to do so. Local authorities should be advised if significant spillages cannot be contained.           |
| <b>Methods for cleaning up</b>   | Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).  |

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| <b>7. HANDLING AND STORAGE</b> |
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|                                  |   |
|----------------------------------|---|
| <b>Handling</b>                  | Smoking, eating and drinking should be prohibited in the application area. Wash hands before breaks and immediately after handling the product.   |
| <b>Storage</b>                   | Store in original container. Keep container tightly closed. Keep in a dry, cool and well-ventilated place. Store in accordance with local regulations. Store in upright position only. Keep away from food, drink, and animal feedstuffs. |
| <b>Type of Container/Package</b> | Store in original container   |

Handle and store according to AS/NZS Standards and the Responsible Care Management Systems: Managers Handbook.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**Engineering Controls**                      Ensure adequate ventilation, especially in confined areas.

### **Personal Protective Equipment**

**Eye/face Protection**                      Safety glasses with side-shields.

**Skin Protection**                              Nitrile rubber, Break through time, > 10 min, protective index: 1, (EN 374)

**Respiratory Protection**                      In case of mist, spray or aerosol exposure wear suitable personal respiratory protection and protective suit. Filter type P.

### **General Hygiene Considerations**

Wash hands before breaks and at the end of workday. When using, do not eat, drink or smoke.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                     |                                |
|-------------------------------------|--------------------------------|
| <b>Appearance</b>                   | White                          |
| <b>Physical state</b>               | Paste                          |
| <b>Odor</b>                         | Characteristic                 |
| <b>pH</b>                           | No data available              |
| <b>Vapor Pressure</b>               | < 0.001 hPa (20°C)             |
| <b>Vapor Density</b>                | No data available              |
| <b>Flash Point</b>                  | Not applicable                 |
| <b>Autoignition Temperature</b>     | No data available              |
| <b>Upper flammability limit:</b>    | No data available              |
| <b>Lower flammability limit:</b>    | No data available              |
| <b>Boiling Point/Range</b>          | No data available              |
| <b>Freezing Point/Range</b>         | No data available              |
| <b>Explosive Properties</b>         | Not an explosive               |
| <b>Water Solubility</b>             | Insoluble in water             |
| <b>Solubility</b>                   | No information available       |
| <b>Solubility in other solvents</b> | No data available              |
| <b>Specific Gravity</b>             | No data available              |
| <b>Liquid Density</b>               | 0,96 g/cm <sup>3</sup> (20 °C) |
| <b>Kinematic viscosity</b>          |                                |

## 10. STABILITY AND REACTIVITY

|   |  |
|---|--|
| <b>Chemical Stability</b>               | Stable under normal conditions.  |
| <b>Conditions to Avoid</b>              | Heat, flames and sparks.   |
| <b>Incompatible Materials</b>           | No materials to be especially mentioned  |
| <b>Hazardous decomposition products</b> | None under normal use. > 150 ° C. The possibility of a small amount of formaldehyde. |

## 11. TOXICOLOGICAL INFORMATION

|                       |  |
|-----------------------|--|
| <b>Acute Toxicity</b> |  |
| <b>Inhalation</b>     | No information available.                                  |
| <b>Eye contact</b>    | No information available.                                  |
| <b>Skin contact</b>   | No information available.                                  |
| <b>Ingestion</b>      | No information available. > 2000 mg/kg; Calculation method |

### Component Information

| Chemical name              | LD50 Oral        | LD50 Dermal         | LC50 Inhalation |
|----------------------------|------------------|---------------------|-----------------|
| Lithium 12-hydroxystearate | 2000 mg/kg (Rat) | 2000 mg/kg (Rabbit) |                 |
| Dilithium azelate          | 300 mg/kg (Rat)  | 2000 mg/kg (Rabbit) |                 |

|                                 |  |
|---------------------------------|--|
| <b>Irritation</b>               | No information available                                   |
| <b>Corrosivity</b>              | No information available.                                  |
| <b>Sensitization</b>            | No information available.                                  |
| <b>Mutagenic effects</b>        | No information available.                                  |
| <b>Carcinogenicity</b>          | There are no known carcinogenic chemicals in this product. |
| <b>Reproductive Effects</b>     | No information available.                                  |
| <b>Developmental Effects</b>    | No information available.                                  |
| <b>STOT - single exposure</b>   | No information available                                   |
| <b>STOT - repeated exposure</b> | No information available.                                  |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

|                                      |                           |
|--------------------------------------|---------------------------|
| <b>Persistence and degradability</b> | No information available  |
| <b>Bioaccumulation/Accumulation</b>  | No information available. |
| <b>Mobility</b>                      | No information available  |

## 13. DISPOSAL CONSIDERATIONS

|                               |   |
|-------------------------------|---|
| <b>Waste Disposal Method</b>  | Dispose of in accordance with local regulations.                                  |
| <b>Contaminated Packaging</b> | Empty containers should be taken for local recycling, recovery or waste disposal. |

## 14. TRANSPORT INFORMATION

|                     |                           |
|---------------------|---------------------------|
| <b>Hazchem Code</b> | No Hazchem Code allocated |
|---------------------|---------------------------|

## 15. REGULATORY INFORMATION

|                       |  |
|-----------------------|--|
| <b>ERMA Reference</b> | ERMA User Guide to the HSNO Controls, which links to the Hazardous Substances Regulations 2001 |
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| 16. OTHER INFORMATION |
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|-------------------------------|--|
| <b>Prepared By</b>            | DeLaval NV<br>Industriepark-Drongen 10<br>9031 Gent<br>Belgium   |
| <b>Preparation Date:</b>      | 01-May-2017  |
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| <b>Date of Next Revision:</b> | 12-Sep-2029  |
| <b>Reason for revision</b>    | Update Section: 1 (supplier information)   |
| <b>References</b>             | <ul style="list-style-type: none"><li>- Hazardous Substances (Hazardous Classification) Notice 2020</li><li>- Hazardous substances (Labelling) Notice 2017</li><li>- Hazardous Substances (Safety Data Sheets) Notice 2017</li><li>- GHS8</li><li>- European Agreement concerning the International Carriage of Dangerous Goods by Road</li><li>- New Zealand Workplace Exposure Standards (WES)</li><li>- International Agency for Research on Cancer (IARC) - Agents Classified by the IARC Monographs - Group 1: Carcinogenic to humans</li><li>- Chemical Classification and Information Database (CCID)</li></ul> |

**Disclaimer**

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text

**End of SDS**