



# SAFETY DATA SHEET

## 1. Identification

**Product identifier** Lithium General Purpose Grease

**Other means of identification**

**Product code** No. 73310 (Item# 1006198)

**Recommended use** Lubricating grease

**Recommended restrictions** None known.

**Manufacturer/Importer/Supplier/Distributor information**

**Manufactured or sold by:**

**Company name** CRC Canada Co.

**Address** 2-1246 Lorimar Drive  
Mississauga, Ontario L5S 1R2  
Canada

**Telephone**

**General Information** 905-670-2291

**24-Hour Emergency (CHEMTREC)** 800-424-9300 (Canada)  
703-527-3887 (International)

**Website** www.crc-canada.ca

**E-mail** Support.CA@crcindustries.com

## 2. Hazard(s) identification

**Physical hazards** Not classified.

**Health hazards** Not classified.

**Environmental hazards** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** None.

**Hazard statement** The mixture does not meet the criteria for classification.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash hands after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with local authority requirements.

**Other hazards** None known.

## 3. Composition/information on ingredients

### Mixtures

| Chemical name   | Common name and synonyms | CAS number | %       |
|---|--------------------------|------------|---------|
| distillates (petroleum), solvent-dewaxed heavy paraffinic |                          | 64742-65-0 | 65 - 85 |
| lithium hydroxide, monohydrate                            |                          | 1310-66-3  | 1 - 5   |

The exact percentage (concentration) of composition has been withheld as a trade secret.  
All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

## 4. First-aid measures

**Inhalation** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical attention if symptoms occur. If inhalation of a large amount does occur, call a physician immediately.

|   |   |
|---|---|
| <b>Skin contact</b>   | Wash off with plenty of water. Get medical attention if irritation develops and persists. Wash contaminated clothing before reuse.  |
| <b>Eye contact</b>  | Rinse immediately with plenty of water, also under the eyelids. Remove contact lenses, if present and easy to do. Get medical attention if irritation develops and persists.  |
| <b>Ingestion</b>  | Rinse mouth. Do not induce vomiting without advice from poison control center. Never give anything by mouth to a victim who is unconscious or is having convulsions. If ingestion of a large amount does occur, call a poison control center immediately. |
| <b>Most important symptoms/effects, acute and delayed</b>                     | Direct contact with eyes may cause temporary irritation.  |
| <b>Indication of immediate medical attention and special treatment needed</b> | Treat symptomatically.  |
| <b>General information</b>  | Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.  |

## 5. Fire-fighting measures

|  |  |
|--|--|
| <b>Suitable extinguishing media</b>                                  | Use fire-extinguishing media appropriate for surrounding materials.  |
| <b>Unsuitable extinguishing media</b>                                | Do not use water jet as an extinguisher, as this will spread the fire.   |
| <b>Specific hazards arising from the chemical</b>                    | During fire, gases hazardous to health may be formed.  |
| <b>Special protective equipment and precautions for firefighters</b> | Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA. |
| <b>Fire fighting equipment/instructions</b>                          | Use water spray to cool unopened containers. Move containers from fire area if you can do so without risk.   |
| <b>Specific methods</b>  | Use standard firefighting procedures and consider the hazards of other involved materials.   |
| <b>General fire hazards</b>  | No unusual fire or explosion hazards noted.  |

## 6. Accidental release measures

|  |   |
|--|---|
| <b>Personal precautions, protective equipment and emergency procedures</b> | Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.                    |
| <b>Methods and materials for containment and cleaning up</b>               | Prevent product from entering drains. Stop the flow of material, if this is without risk. Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean surface thoroughly to remove residual contamination. Never return spills to original containers for re-use. For waste disposal, see section 13 of the SDS. |
| <b>Environmental precautions</b>   | Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.  |

## 7. Handling and storage

|   |   |
|---|---|
| <b>Precautions for safe handling</b>                                | Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Use only in well-ventilated areas. When using, do not eat, drink or smoke. Wear appropriate personal protective equipment. Avoid release to the environment. Use appropriate container to avoid environmental contamination. Observe good industrial hygiene practices. |
| <b>Conditions for safe storage, including any incompatibilities</b> | Keep away from heat and sources of ignition. Store in a cool, dry place out of direct sunlight. Store in a well-ventilated place. Keep container tightly closed. Store away from incompatible materials (see Section 10 of the SDS).  |

## 8. Exposure controls/personal protection

### Occupational exposure limits

#### US. ACGIH Threshold Limit Values

| Components   | Type | Value               | Form                |
|--|------|---------------------|---------------------|
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m <sup>3</sup> | Inhalable fraction. |

**Canada. Alberta OELs (Occupational Health & Safety Code, Schedule 1, Table 2)**

| Components   | Type | Value    | Form  |
|--|------|----------|-------|
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | STEL | 10 mg/m3 | Mist. |
|  | TWA  | 5 mg/m3  | Mist. |

**Canada. British Columbia OELs. (Occupational Exposure Limits for Chemical Substances, Occupational Health and Safety Regulation 296/97, as amended)**

| Components   | Type    | Value   | Form  |
|--|---------|---------|-------|
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA     | 1 mg/m3 | Mist. |
| lithium hydroxide, monohydrate (CAS 1310-66-3)                             | Ceiling | 1 mg/m3 |       |

**Canada. Manitoba OELs (Reg. 217/2006, The Workplace Safety And Health Act)**

| Components   | Type | Value   | Form                |
|--|------|---------|---------------------|
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | TWA  | 5 mg/m3 | Inhalable fraction. |

**Canada. Ontario OELs. (Control of Exposure to Biological or Chemical Agents)**

| Components                                     | Type | Value   | Form |
|--|------|---------|------|
| lithium hydroxide, monohydrate (CAS 1310-66-3) | STEL | 1 mg/m3 |      |

**Canada. Quebec OELs. (Ministry of Labor - Regulation Respecting the Quality of the Work Environment)**

| Components   | Type | Value    | Form  |
|--|------|----------|-------|
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | STEL | 10 mg/m3 | Mist. |
|  | TWA  | 5 mg/m3  | Mist. |

|  |  |
|--|--|
| <b>Biological limit values</b>   | No biological exposure limits noted for the ingredient(s).   |
| <b>Exposure guidelines</b>   | No exposure standards allocated.   |
| <b>Appropriate engineering controls</b>                                      | Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. General ventilation normally adequate. |
| <b>Individual protection measures, such as personal protective equipment</b> |  |
| <b>Eye/face protection</b>   | Wear safety glasses with side shields (or goggles).  |
| <b>Skin protection</b>   |  |
| <b>Hand protection</b>   | Wear protective gloves such as: Polyvinyl chloride (PVC). Neoprene. Nitrile.   |
| <b>Other</b>   | Wear appropriate chemical resistant clothing. Wear suitable protective clothing.   |
| <b>Respiratory protection</b>  | If engineering controls are not feasible or if exposure exceeds the applicable exposure limits, use a NIOSH-approved cartridge respirator with an organic vapor cartridge. Use a self-contained breathing apparatus in confined spaces and for emergencies. Air monitoring is needed to determine actual employee exposure levels.   |
| <b>Thermal hazards</b>   | Wear appropriate thermal protective clothing, when necessary.  |
| <b>General hygiene considerations</b>  | Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.  |

**9. Physical and chemical properties****Appearance**

|                       |         |
|-----------------------|---------|
| <b>Physical state</b> | Solid.  |
| <b>Form</b>           | Grease. |
| <b>Color</b>          | Amber.  |

|   |   |
|---|---|
| <b>Odor</b>   | Slight petroleum.                       |
| <b>Odor threshold</b>                               | Not available.                          |
| <b>pH</b>   | Not available.                          |
| <b>Melting point/freezing point</b>                 | Not available.                          |
| <b>Initial boiling point and boiling range</b>      | 680 °F (360 °C) estimated               |
| <b>Flash point</b>                                  | 302 °F (150 °C) Cleveland Open Cup      |
| <b>Evaporation rate</b>                             | Slow.                                   |
| <b>Flammability (solid, gas)</b>                    | Not available.                          |
| <b>Upper/lower flammability or explosive limits</b> |   |
| <b>Flammability limit - lower (%)</b>               | Not available.                          |
| <b>Flammability limit - upper (%)</b>               | Not available.                          |
| <b>Vapor pressure</b>                               | < 0.005 hPa                             |
| <b>Vapor density</b>                                | > 1 (air = 1)                           |
| <b>Relative density</b>                             | 0.9                                     |
| <b>Solubility(ies)</b>                              |   |
| <b>Solubility (water)</b>                           | Negligible.                             |
| <b>Partition coefficient (n-octanol/water)</b>      | Not available.                          |
| <b>Auto-ignition temperature</b>                    | 500 °F (260 °C) estimated               |
| <b>Decomposition temperature</b>                    | Not available.                          |
| <b>Viscosity</b>                                    | 152 mm <sup>2</sup> /s (104 °F (40 °C)) |
| <b>Other information</b>                            |   |
| <b>Percent volatile</b>                             | 100 % estimated                         |

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## 10. Stability and reactivity

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|---|---|
| <b>Reactivity</b>                         | The product is stable and non-reactive under normal conditions of use, storage and transport. |
| <b>Chemical stability</b>                 | Material is stable under normal conditions.   |
| <b>Possibility of hazardous reactions</b> | No dangerous reaction known under conditions of normal use.                                   |
| <b>Conditions to avoid</b>                | Contact with incompatible materials.  |
| <b>Incompatible materials</b>             | Strong oxidizing agents.  |
| <b>Hazardous decomposition products</b>   | Carbon oxides. Halogenated materials. Metal oxides.   |

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## 11. Toxicological information

### Information on likely routes of exposure

|                     |   |
|---------------------|---|
| <b>Inhalation</b>   | Prolonged inhalation may be harmful.                        |
| <b>Skin contact</b> | Prolonged skin contact may cause temporary irritation.      |
| <b>Eye contact</b>  | Direct contact with eyes may cause temporary irritation.    |
| <b>Ingestion</b>    | Health injuries are not known or expected under normal use. |

**Symptoms related to the physical, chemical and toxicological characteristics** Direct contact with eyes may cause temporary irritation.

### Information on toxicological effects

**Acute toxicity** Not classified.

| <b>Product</b>                 | <b>Species</b> | <b>Test Results</b> |
|--------------------------------|----------------|---------------------|
| Lithium General Purpose Grease |                |                     |
| <u><b>Acute</b></u>            |                |                     |
| <b>Oral</b>                    |                |                     |
| ATEmix                         |                | 3980.1626 mg/kg     |

|  |  |
|--|--|
| <b>Skin corrosion/irritation</b>   | Prolonged skin contact may cause temporary irritation.   |
| <b>Serious eye damage/eye irritation</b>                                   | Direct contact with eyes may cause temporary irritation.   |
| <b>Respiratory sensitization</b>   | Not a respiratory sensitizer.  |
| <b>Skin sensitization</b>  | This product is not expected to cause skin sensitization.  |
| <b>Germ cell mutagenicity</b>  | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic. |
| <b>Carcinogenicity</b>   | This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.                                  |
| <b>ACGIH Carcinogens</b>   |  |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | A4 Not classifiable as a human carcinogen.   |
| <b>Canada - Manitoba OELs: carcinogenicity</b>                             |  |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | Not classifiable as a human carcinogen.  |
| <b>IARC Monographs. Overall Evaluation of Carcinogenicity</b>              |  |
| distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS 64742-65-0) | 3 Not classifiable as to carcinogenicity to humans.  |
| <b>Reproductive toxicity</b>   | This product is not expected to cause reproductive or developmental effects.                                     |
| <b>Specific target organ toxicity - single exposure</b>                    | Not classified.  |
| <b>Specific target organ toxicity - repeated exposure</b>                  | Not classified.  |
| <b>Aspiration hazard</b>   | Not an aspiration hazard.  |

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## 12. Ecological information

|                                      |  |
|--------------------------------------|--|
| <b>Ecotoxicity</b>                   | The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment. |
| <b>Persistence and degradability</b> |  |
| <b>Bioaccumulative potential</b>     | No data available.   |
| <b>Mobility in soil</b>              | No data available.   |
| <b>Other adverse effects</b>         | No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.            |

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## 13. Disposal considerations

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| <b>Disposal of waste from residues / unused products</b> | Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations. |
| <b>Local disposal regulations</b>                        | Dispose in accordance with all applicable regulations.   |
| <b>Hazardous waste code</b>                              | Not regulated.   |
| <b>Contaminated packaging</b>                            | Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.   |

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## 14. Transport information

|   |                                   |
|---|-----------------------------------|
| <b>TDG</b>  | Not regulated as dangerous goods. |
| <b>IATA</b>   | Not regulated as dangerous goods. |
| <b>IMDG</b>   | Not regulated as dangerous goods. |
| <b>Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code</b> | Not applicable.                   |

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## 15. Regulatory information

|                             |  |
|-----------------------------|--|
| <b>Canadian regulations</b> | This product has been classified in accordance with the hazard criteria of the HPR and the SDS contains all the information required by the HPR. |
|-----------------------------|--|

**Controlled Drugs and Substances Act**

Not regulated.

**Export Control List (CEPA 1999, Schedule 3)**

Not listed.

**Greenhouse Gases**

Not listed.

**Precursor Control Regulations**

Not regulated.

**International regulations****Stockholm Convention**

Not applicable.

**Rotterdam Convention**

Not applicable.

**Kyoto protocol**

Not applicable.

**Montreal Protocol**

Not applicable.

**Basel Convention**

Not applicable.

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**16. Other information**

**Issue date** 07-26-2017

**Version #** 01

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