PROGUARD Lithium Complex EP1 Grease

SDS Number: 610672-1

1 PRODUCT AND COMPANY INFORMATION

Product Name: PROGUARD Lithium Complex EP1 Grease
Revision Date: 08/10/2015
SDS Number: 610672-1
Common Name: Lithium extreme pressure grease
CAS Number: Blend
Product Code: 1044
Synonyms: Lithium grease

Company Identification:
Manufactured for:
LYDEN OIL COMPANY
3711 LeHarps Road
Youngstown, OH 44515

For Product Information: 1-330-792-1100
For Emergencies: 1-800-424-9300
CHEMTREC: 1-800-424-9300 or 1-703-527-3887

2 HAZARDS IDENTIFICATION

Signal Word: None

Hazard Classes/Categories: None

Hazard Statement(s): None

Precaution Statement(s):
P101: If medical advice is needed, have product container or label at hand.
P102: Keep out of reach of children.
P103: Read label before use.
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Other Hazard Statement(s):

-NFPA Ratings:
  Health = 0
  Fire = 1
  Reactivity = 0

**COMPOSITION / INFORMATION ON INGREDIENTS**

Ingredients:

*Mixture of the substances listed below with nonhazardous additions.*

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates (petroleum), solvent-dewaxed heavy paraffinic</td>
<td>64742-65-0</td>
<td>50-100</td>
</tr>
<tr>
<td>Residual oils (petroleum), solvent-refined</td>
<td>64742-01-4</td>
<td>25-50</td>
</tr>
<tr>
<td>Distillates (petroleum), hydrotreated heavy naphthenic</td>
<td>64742-52-5</td>
<td>2.5-&lt;10</td>
</tr>
<tr>
<td>Zinc Dialkylthiophosphate</td>
<td>68457-79-4</td>
<td>0.1-&lt;1</td>
</tr>
</tbody>
</table>

*Any concentration shown as a range is to protect confidentiality or is due to batch variation.*

**FIRST AID MEASURES**

Description of First Aid Measures:

Inhalation: If symptoms develop, move victim to fresh air. If symptoms persist, obtain medical attention.

Skin Contact: Generally the product does not irritate the skin.

Eye Contact: Rinse opened eye for several minutes under running water. If symptoms persist, consult medical attention.

Ingestion: If swallowed, do not induce vomiting: transport to nearest medical facility for additional treatment.
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Symptoms and Effects, both acute and delayed:
No further relevent data available.

Recommended Actions:
Treat symptomatically. Call a doctor or poison control center for guidance.

5 FIRE FIGHTING MEASURES

Recommended Fire-Extinguishing Equipment:
Use fire-fighting measures and equipment suitable for the environment.

Possible Hazards During a Fire:
Hazardous combustion products may include: A complex mixture of airborne solid and liquid particulates and gases (smoke). Carbon monoxide. Unidentified organic and inorganic compounds.

Recommendations to Firefighters:
No special measures required.

6 ACCIDENTAL RELEASE MEASURES

Personal Precautions:
Avoid contact with skin and eyes.

Emergency Procedures:
Contain spilled material, collect in suitable and properly labeled containers.

Environmental Precautions:
Do not allow to reach sewage system or any water course.
Do not allow to enter ground waters.
Cleanup Procedures: Pick-up mechanically.

7     HANDLING AND STORAGE

Handling Precautions: No special precautions needed if used correctly.

Storage Requirements: Keep container tightly sealed.

8     EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits:

-64742-65-0 Distillates (petroleum), solvent-dewaxed heavy paraffinic (50-100%):
   ACGIH TLV – Long-term value: 5mg/m³
   OSHA PEL – Long-term value: 5mg/m³

-64742-01-4 Residual oils (petroleum), solvent-refined (25-50%):
   OSHA PEL – Long-term value: 5mg/m³

-64742-52-5 Distillates (petroleum), hydrotreated heavy naphthenic (10-<25%):
   ACGIH TLV – Short-term value: 10mg/m³
   Long-term value: 5mg/m³
   OSHA PEL – Long-term value: 5mg/m³

Engineering Controls: All ventilation should be designed in accordance with OSHA standard (29 CFR 1910.94).

Personal Protective Equipment: Wash hands before breaks and at the end of work. Use gloves.
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9 PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Color</td>
<td>Amber</td>
</tr>
<tr>
<td>Physical State</td>
<td>Semi-solid</td>
</tr>
<tr>
<td>Odor</td>
<td>Petroleum-like</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>Data not available</td>
</tr>
<tr>
<td>pH</td>
<td>Data not available</td>
</tr>
<tr>
<td>Melting Point</td>
<td>Data not available</td>
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<tr>
<td>Boiling Point</td>
<td>338° C / 640° F</td>
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<tr>
<td>Boiling Range</td>
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<tr>
<td>Flash Point</td>
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<tr>
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<tr>
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<tr>
<td>Flammability Limits</td>
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<tr>
<td>Vapor Pressure</td>
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<tr>
<td>Vapor Density</td>
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</tr>
<tr>
<td>Relative Density</td>
<td>7.426 pounds per gallon at 68° F</td>
</tr>
<tr>
<td>Solubilities</td>
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<tr>
<td>Partition Coefficient</td>
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<tr>
<td>Auto-Ignition Temperature</td>
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</tr>
<tr>
<td>Decomposition Temperature</td>
<td>Data not available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>Data not available</td>
</tr>
</tbody>
</table>

10 STABILITY AND REACTIVITY

Stability: Stable under normal conditions.

Reactivity: Not reactive under normal conditions.

Conditions to Avoid: No further relevant information available.

Hazardous Reactions: No known hazardous reactions.

Incompatible Materials: No further relevant information available.
Decomposition Products:

Hazardous decomposition products are not expected to form.

11 TOXICOLOGICAL INFORMATION

Routes of Exposure:

Skin and eye contact are the primary routes of exposure although exposure may occur following accidental ingestion.

Exposure Effects:

No known irritating or sensitizing effects.

Measures of Toxicity:

Acute Toxicity Estimates:

Oral LD50: 5875 mg/kg (rat)
Dermal LD50: 270270 mg/kg (rabbit)

Carcinogenic/Mutagenic Precautions:

Non-carcinogenic and not expected to be mutagenic.

12 ECOLOGICAL INFORMATION

Ecological Precautions:

Avoid exposing to the environment.

Ecological Effects:

Water hazard class 1 (self-assessment): Slightly hazardous to water.

13 DISPOSAL CONSIDERATIONS

Disposal Methods:

Dispose of waste material in accordance with all local, state, and federal requirements.
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Disposal Containers: Use properly approved container for disposal.

Special Precautions: Small quantities can be disposed of with household garbage. Do not flush to surface waters or drains.

14 TRANSPORT INFORMATION

UN Number: Data not available
UN Shipping Name: Data not available
Transport Hazard Class: Data not available
Packing Group: Data not available

Environmental Hazards: Data not available

Bulk Transport Guidance: Data not available

Special Precautions: Not regulated by DOT.

15 REGULATORY INFORMATION

This material and all of its components are listed on the Inventory of Existing Chemical Substances under the Toxic Substances Control Act.

16 OTHER INFORMATION

Last Revision Date: 08/10/2015

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