MATERIAL SAFETY DATA SHEET

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

Product Name: 613 Moly Grease

Date of Preparation: 31 March 2003

MSDS No. 154-7

Not classified as hazardous according to criteria of Worksafe Australia.

Company:
A.W. CHESTERTON COMPANY
225 Fallon Road
Stoneham, MA 02180-2999, USA
Tel.: 781-438-7000
(Mon. - Fri. 8:30 - 5:00 PM EST)

Supplier:

For Chemical Emergency:
24 hours per day, 7 days per week
Call Infotrac: 1-800-535-5053
Outside N. America: 352-323-3500 (collect)

Use: Multi-purpose extreme pressure grease with Molybdenum Disulfide. Petroleum base/Synthetic lubricant.

2. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous Ingredients† % Wt. CAS No. EC No. Symbol R-phrases
Baseoil – unspecified* 65-100 64742-57-0 265-160-8 – –
  64742-65-0 265-169-7 – –
Lithium 12-Hydroxystearate 1-25 7620-77-1 231-536-5 – –
Molybdenum Sulfide 1-5 1317-33-5 215-263-9 – –
Zinc Dialkyl Dithiophosphate 1-4 68649-42-3 272-028-3 – –

*Contains less than 3 % DMSO extract as measured by IP 346.

3. HAZARDS IDENTIFICATION

None expected in industrial use. As with any similar product, if swallowed in large quantities, this product could be harmful or fatal.
4. FIRST AID MEASURES

Inhalation: Remove to fresh air. If not breathing, administer artificial respiration. Contact physician.

Skin Contact: Wash skin with soap and water. Contact physician if irritation persists.

Eye Contact: Flush eyes for at least 15 minutes with large amounts of water. Contact physician if irritation persists.

Ingestion: If conscious, drink large quantities of water. Contact physician immediately.

Injection: Contact physician immediately. Transport immediately for medical treatment. Treat injection as a medical emergency. Delay may cause loss of affected part of the body.

Advice to Physician: Treat symptoms.

5. FIRE FIGHTING MEASURES

Extinguishing Methods: Carbon Dioxide, dry chemical, foam or water spray

Unusual Fire and Explosion Hazards: Water may cause frothing.

Special Fire Fighting Measures: Cool exposed containers with water. Recommend Firefighters wear self-contained breathing apparatus.

Flammability Classification: not determined

HAZCHEM Emergency Action Code: 2 Z

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Utilize exposure controls and personal protection as specified in Section 8.

Environmental Precautions: Keep out of sewers, streams and waterways.

Methods of Clean Up: Contain spill to a small area. Pick up with absorbent material (sand, sawdust, clay, etc.) and place in a suitable container for disposal.

7. HANDLING AND STORAGE

Handling: Wash before eating, drinking or smoking. Utilize exposure controls and personal protection as specified in Section 8.

Storage: Store in a cool, dry area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>Hazardous Ingredients</th>
<th>OSHA ppm</th>
<th>mg/m³</th>
<th>ACGIH TLV ppm</th>
<th>mg/m³</th>
<th>STEL</th>
<th>AUSTRALIA ppm</th>
<th>mg/m³</th>
</tr>
</thead>
<tbody>
<tr>
<td>Oil Mist, Mineral</td>
<td>–</td>
<td>5</td>
<td>–</td>
<td>5</td>
<td>–</td>
<td>–</td>
<td>5</td>
</tr>
<tr>
<td>Lithium 12-Hydroxystearate</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
<tr>
<td>Molybdenum Sulfide</td>
<td>–</td>
<td>15</td>
<td>–</td>
<td>10</td>
<td>–</td>
<td>–</td>
<td>10</td>
</tr>
<tr>
<td>Zinc Dialkyl Dithiophosphate</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
<td>–</td>
</tr>
</tbody>
</table>
Respiratory Protection: Not normally needed. If exposure limits are exceeded, use an approved organic vapor respirator for mists.

Ventilation: No special requirements. If vapors or mists are produced, provide adequate ventilation.

Protective Gloves: Chemical resistant gloves

Eye Protection: Safety glasses

Other: Remove and wash contaminated clothing immediately.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical state</td>
<td>liquid</td>
</tr>
<tr>
<td>Colour</td>
<td>dark gray</td>
</tr>
<tr>
<td>Initial boiling point</td>
<td>not applicable</td>
</tr>
<tr>
<td>Melting point</td>
<td>not determined</td>
</tr>
<tr>
<td>% Volatile (by volume)</td>
<td>negligible</td>
</tr>
<tr>
<td>Flash point</td>
<td>not determined</td>
</tr>
<tr>
<td>Method</td>
<td>–</td>
</tr>
<tr>
<td>Viscosity</td>
<td>not determined</td>
</tr>
<tr>
<td>Autoignition temp.</td>
<td>not determined</td>
</tr>
<tr>
<td>Explosion limits</td>
<td>not determined</td>
</tr>
<tr>
<td>Odour</td>
<td>odorless</td>
</tr>
<tr>
<td>Vapour pressure @ 20°C</td>
<td>&lt; 0.1 mm Hg</td>
</tr>
<tr>
<td>% Aromatics by weight</td>
<td>0</td>
</tr>
<tr>
<td>pH</td>
<td>not applicable</td>
</tr>
<tr>
<td>Density</td>
<td>0.895 kg/l</td>
</tr>
<tr>
<td>Weight per volume</td>
<td>7.45 lbs/gal.</td>
</tr>
<tr>
<td>Coefficient (water/oil)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Vapour density (air=1)</td>
<td>&gt; 1</td>
</tr>
<tr>
<td>Rate of evaporation (ether=1)</td>
<td>&lt; 1</td>
</tr>
<tr>
<td>Solubility in water</td>
<td>negligible</td>
</tr>
<tr>
<td>Other</td>
<td>none</td>
</tr>
</tbody>
</table>

10. STABILITY AND REACTIVITY

Stability: Stable

Hazardous Polymerization: Will not occur.

Hazardous Decomposition Products:
Carbon Monoxide, Carbon Dioxide, Hydrogen Sulfide and other toxic fumes.
Hydrogen Sulfide

Conditions to Avoid: Open flames and red hot surfaces.

Materials to Avoid: Strong oxidizers like liquid Chlorine and concentrated Oxygen.

11. TOXICOLOGICAL INFORMATION

Primary Route of Exposure Under Normal Use: Inhalation, skin and eye contact. Personnel with pre-existing dermatitis are generally aggravated by exposure.

Acute Effects: Direct contact may cause slight skin and eye irritation. Vapor or mist may cause slight respiratory irritation.

Chronic Effects: Prolonged or repeated skin contact may defat the skin and cause skin irritation.

Other Information: As per 29 CFR 1910.1200 (Hazard Communication), this product contains no carcinogens as listed in the National Toxicology Program (NTP), the International Agency for Research on Cancer (IARC) or the Occupational Safety and Health Administration (OSHA).

12. ECOLOGICAL INFORMATION

Ecotoxicological data have not been determined specifically for this product. The information given below is based on a knowledge of the components and the ecotoxicology of similar substances.

Mobility: Liquid. Solubility in water: negligible. In determining environmental mobility, consider the product's physical and chemical properties (see Section 9).

Degradability: Mineral Oil: not readily biodegradable.

Accumulation: Mineral Oil: not expected to bioaccumulate.

Ecotoxicity: Oil products, improperly released to the environment, can cause ground and water pollution.
13. DISPOSAL CONSIDERATIONS
Stabilization and solidification may be necessary prior to land disposal. Material is suitable for fuels blending or incineration. Check local, state and national/federal regulations and comply with the most stringent requirement.

EWC-code: 13 02 05

14. TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>TDG:</th>
<th>NONHAZARDOUS, NOT REGULATED</th>
</tr>
</thead>
<tbody>
<tr>
<td>IMDG:</td>
<td>NONHAZARDOUS, NOT REGULATED</td>
</tr>
<tr>
<td>IATA/ICAO:</td>
<td>NONHAZARDOUS, NOT REGULATED</td>
</tr>
<tr>
<td>ADR/RID:</td>
<td>NONHAZARDOUS, NOT REGULATED</td>
</tr>
</tbody>
</table>

U.S. DOT:
Shipping Name: NONHAZARDOUS
Hazard Class: NOT REGULATED
UN/NA #: NOT APPLICABLE
Packaging Group #: NOT APPLICABLE
Emergency Response Guide Book No. - NOT APPLICABLE

15. REGULATORY INFORMATION

European Classification: none
R-Phrase(s): –
S-Phrase(s): –
Name of the substances on the label: –
Other labelling information: –

Canadian Classification: none
Risk Phrase(s): –
Precautionary and First Aid Measure(s): –
Other labelling information: –

16. OTHER INFORMATION

US EPA SARA TITLE III
312 Hazards: Immediate
313 Chemicals: Zinc Compound
313 Chemicals: Immediate
1-4% Zinc Compound

Hazardous Materials Identification System (HMIS)

| HEALTH | 1 |
| FLAMMABILITY | 1 |
| REACTIVITY | 1 |
| Personal Protection | * |

JAPAN PRTR
Class I Chemicals: none

Class II Chemicals: none

Risk phrases in section 2: none

Changes to the MSDS in this revision: sections 2, 8, 12, 13, 16.

This information is based solely on data provided by suppliers of the materials used, not on the mixture itself. No warranty is expressed or implied regarding the accuracy of the data or the suitability of the product for the user’s particular purpose. The user must make their own determination as to suitability.