MATERIAL SAFETY DATA SHEET
LUBRIMATIC MARINE TRAILER BEARING GREASE
(11399-11409)

1. PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME
LUBRIMATIC MARINE TRAILER BEARING GREASE (11399-11409)

PART No.
360440

PRODUCT USE
Lubricating Grease

SUPPLIER
Chemtool Incorporated
P.O. Box 538
8200 Ridgefield Road
Crystal Lake, IL  60039-0538 USA
Tel:  (815) 459-1250
Fax:  (815) 459-1955

EMERGENCY TELEPHONE
Infotrac
U.S. and Canada - (800) 535-5053
Outside the U.S. and Canada - +01-352-323-3500

Date of last issue
2006-11-15

2. COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS No.</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)</td>
<td>Mixture</td>
<td>60-80 %</td>
</tr>
<tr>
<td>OVERBASED CALCIUM SULFONATE COMPLEX THICKENER</td>
<td>Proprietary</td>
<td>10-30 %</td>
</tr>
<tr>
<td>*BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT</td>
<td>26264-06-2</td>
<td>1-3 %</td>
</tr>
</tbody>
</table>

* This chemical(s) is hazardous according to OSHA/WHIMS criteria

**(2) The base oil for this product can be a mixture of any of the following highly refined petroleum streams:

CAS 64741-88-4; CAS 64741-89-5; CAS 64741-96-4; CAS 64741-97-5; CAS
64742-01-4; CAS 64742-52-5; CAS 64742-53-6; CAS 64742-54-7; CAS 64742-55-8;
CAS 64742-56-9; CAS 64742-57-0; CAS 64742-62-7; CAS 64742-63-8; CAS
64742-65-0; CAS 72623-83-7; CAS 72623-85-9; CAS 72623-86-0; CAS 72623-87-1.

Carcinogenicity: The petroleum base oils contained in this product have been highly refined by a variety of processes including solvent extraction, solvent dewaxing and hydrotreating to remove aromatics and improve performance characteristics. None of
the oils used are listed as a carcinogen by NTP, IARC, or OSHA.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
Not regarded as a health hazard under current legislation. Exposure to vapors generated at high temperatures may cause respiratory irritation.

SENSITIZATION
No known information.

CARCINOGENICITY
IARC: Not listed as a Group 1, 2A, or 2B agent. OSHA: Not regulated. NTP: Not listed.

TERATOGENICITY
No known information.

HEALTH WARNINGS
INHALATION. Heating can generate vapors that may cause respiratory irritation, nausea and headaches. Inhalation hazard at room temperature is unlikely due to the low volatility of this product. SKIN CONTACT. Repeated or prolonged contact can result in drying of the skin. EYE CONTACT. Irritating. INGESTION. Can cause stomach ache and vomiting. Main hazard, if ingested, is aspiration into the lungs and subsequent pneumonitis.

ROUTE OF ENTRY
Inhalation. Skin and/or eye contact. Ingestion.

MEDICAL SYMPTOMS
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: Not determined

4. FIRST AID MEASURES

INHALATION
Vapor inhalation under ambient conditions is normally not a problem. If overcome by vapor of hot product, immediately remove from source of exposure. Move the exposed person to fresh air at once. For breathing difficulties oxygen may be necessary. Get medical attention if any discomfort continues.

EYES
Rinse the eye with water immediately. Continue to rinse for at least 15 minutes. Contact physician if discomfort continues.

SKIN
Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention if any discomfort continues.

INJECTION INJURY WARNING: If product is injected into or under the skin, or into any part of the body, regardless of the appearance of the wound or its size, the individual should be evaluated immediately by a physician as a surgical emergency. Even though initial symptoms from high pressure injection may be minimal or absent, early surgical treatment within the first few hours may significantly reduce the ultimate extent of injury.

INGESTION
DO NOT INDUCE VOMITING! Get medical attention immediately!

5. FIRE FIGHTING MEASURES

FLASH POINT (°C)
246 (475°F) Cd OC (Cleveland open cup).

FLAMMABILITY LIMIT - LOWER(%) N/D

FLAMMABILITY LIMIT - UPPER(%) N/D
**EXTINGUISHING MEDIA**
Use: Carbon dioxide (CO2). Dry chemicals, sand, dolomite etc. Alcohol resistant foam. Water spray, fog or mist.

**SPECIAL FIRE FIGHTING PROCEDURES**
Use water to keep fire exposed containers cool and disperse vapors. Water spray may be used to flush spills away from exposures and dilute spills to non-flammable mixtures. Avoid water in straight hose stream; will scatter and spread fire. Keep run-off water out of sewers and water sources. Dike for water control.

**UNUSUAL FIRE & EXPLOSION HAZARDS**
Pressure will increase in over heated, closed containers.

**HAZARDOUS COMBUSTION PRODUCTS**

**PROTECTIVE MEASURES IN CASE OF FIRE**
Self-contained breathing equipment and chemical resistant clothing recommended.

---

### 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS**
Minimize skin contact.

**PRECAUTIONS TO PROTECT THE ENVIRONMENT**
Keep product out of sewers and watercourses by diking or impounding. Advise authorities if product has entered or may enter sewers, watercourses or extensive land areas. Assure conformity with applicable government regulations.

**SPILL CLEAN-UP PROCEDURES**
Keep all sources of ignition and hot metal surfaces away from spill. Avoid contact with eyes or skin. Place leaking containers in well ventilated area. If fire potential exists, blanket spill with foam or use water spray to disperse vapors. Contain spill to minimize contaminated area and facilitate salvage or disposal. To clean up spill, flush area sparingly with water or use absorbant material. Avoid discharge to natural water ways.

---

### 7. HANDLING AND STORAGE

**HANDLING PRECAUTIONS**
Keep away from heat, sparks and open flame. Ventilate well, avoid breathing vapors. Use approved respirator if air contamination is above accepted level. Do not reuse container. Keep lid closed when not in use. Do not store or mix with strong oxidizers. Avoid spilling, skin and eye contact. Eye wash and emergency shower must be available at the work place.

**STORAGE PRECAUTIONS**
Store separate from strong acids and oxidizers. Keep away from heat, sparks and open flame.

**STORAGE CRITERIA**
Chemical storage.

---

### 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>STD OSHA</th>
<th>TWA</th>
<th>STEL</th>
<th>TWA (oil mist)</th>
<th>STEL (oil mist)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>OVERBASED CALCIUM SULFONATE COMPLEX THICKENER</td>
<td></td>
<td>5 mg/m³ (oil mist)</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>15 mg/m³ (total)</td>
<td>as CaCO₃</td>
<td>5 mg/m³ (resp)</td>
<td>as CaCO₃</td>
</tr>
</tbody>
</table>
9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE
Grease.

COLOR
Green.

ODOR
Mild (or faint). Petroleum.

SOLUBILITY DESCRIPTION
Insoluble in water.

SOLUBILITY VALUE (g/100g H2O 20°C)
< 0.1

DENSITY
0.96

Temperature (°C)
15.6 (60°F)

VAPOR DENSITY (air=1)
> 5

Temperature (°C)
20 (68°F)

VAPOR PRESSURE
< 0.1 mmHg

Reference
BuAc=1

EVAPORATION RATE
< 0.01

pH-VALUE, CONC. SOLUTION
N/A

10. STABILITY AND REACTIVITY

STABILITY
Normally stable.

CONDITIONS TO AVOID
Avoid contact with acids and oxidizing substances.
HAZARDOUS POLYMERIZATION: Will not occur.

POLYMERIZATION DESCRIPTION: Not applicable


11. TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: No experimental toxicological data on the preparation as such is available.

COMPONENT: LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)

TOXICOLOGICAL DATA: Carcinogenicity. IP 346 <3%

TOXIC DOSE - LD 50: > 5000 mg/kg (oral rat)

TOXIC DOSE - LD 50 SKIN: > 2000 mg/kg (skn rbt)

TOXIC CONC. - LC 50: N/A.

COMPONENT: OVERBASED CALCIUM SULFONATE COMPLEX THICKENER

TOXIC DOSE - LD 50: > 2000 (estimated) mg/kg (oral rat)

TOXIC DOSE - LD 50 SKIN: > 2000 (estimated) mg/kg (skn rbt)

TOXIC CONC. - LC 50: > 0.5 (estimated) mg/l (inh-rat)

12. ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: There is no ecological data on the product itself.

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHODS: Spilled material, unused contents and empty containers must be disposed of in accordance with local, state and federal regulations.

14. TRANSPORT INFORMATION

CLASSIFICATION COMMENT: Not regulated by US DOT.

IDENTIFICATION No.: N/A

REPORTABLE QUANTITY (RQ): No

U.S. DOT HAZARD LABEL: No DOT label requirement

TDGR CLASS: Not Regulated.

SEA TRANSPORT NOTES: Not regulated per IMDG.
15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>SARA 302</th>
<th>CERCLA</th>
<th>SARA 313</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>OVERBASED CALCIUM SULFONATE COMPLEX THICKENER</td>
<td>No</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT</td>
<td>No</td>
<td>1 000 lbs</td>
<td>No</td>
</tr>
</tbody>
</table>

CLEAN AIR ACT

SARA HAZARD CATEGORIES
None

US STATE REGULATIONS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CA</th>
<th>MA</th>
<th>FL</th>
<th>MN</th>
<th>NJ</th>
<th>PA</th>
<th>RI</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)</td>
<td>Yes</td>
<td>Yes</td>
<td></td>
<td>Yes</td>
<td>Yes</td>
<td></td>
<td></td>
</tr>
<tr>
<td>BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td>EH</td>
<td></td>
</tr>
</tbody>
</table>

STATE REGULATORY STATUS

CALIFORNIA PROPOSITION 65: This product may contain the following chemical(s) considered by the State of California’s Safe Drinking Water and Toxic Enforcement Act of 1986 as causing cancer or reproductive toxicity, and for which warnings are now required:
1-1-Naphthylamine, CAS # 134-32-7
2-2-Naphthylamine, CAS # 91-59-8, <1 ppm

PENNSYLVANIA RIGHT-TO-KNOW: This product contains the following chemicals that the state of Pennsylvania has identified as Special Hazardous Substances (SHS), Environmental Hazards (EH), or both (ESHIS). The PA regulations require that the MSDS identify all SHS or EH chemicals by chemical name, common name, and CAS Number if they comprise 0.01% or more.
Benzenesulfonic acid, dodecyl-, sodium salt, Environmental Hazard, CAS# 25155-30-0

WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM - WHMIS

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the MSDS contains all the information required by the Controlled Products Regulations.

CONTROLLED PRODUCT CLASSIFICATION

Not a controlled product.

GLOBAL INVENTORIES

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>CAN</th>
<th>US</th>
<th>EU</th>
<th>AUS</th>
<th>JAP</th>
<th>KOR</th>
<th>PHLP</th>
<th>CHN</th>
</tr>
</thead>
<tbody>
<tr>
<td>LUBRICATING OILS, PETROLEUM, BASE OILS, HIGHLY REFINED**(2)</td>
<td>DSL</td>
<td>Yes</td>
<td>EINECS</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>OVERBASED CALCIUM SULFONATE COMPLEX THICKENER</td>
<td>DSL</td>
<td>Yes</td>
<td>EINECS</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>BENZENESULFONIC ACID, DODECYL-, CALCIUM SALT</td>
<td>DSL</td>
<td>Yes</td>
<td>EINECS</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
</tr>
</tbody>
</table>
CANADA CEPA: All components of this product comply with new substance notification requirements under the Canadian Environmental Protection Act (CEPA).

16. OTHER INFORMATION

**NFPA-HMIS HAZARD RATING**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>Irritation, minor residual injury (1) - HMIS/NFPA</th>
</tr>
</thead>
<tbody>
<tr>
<td>FLAMMABILITY</td>
<td>Burns only if pre-heated (1) - HMIS/NFPA</td>
</tr>
<tr>
<td>REACTIVITY</td>
<td>Normally Stable (0) - HMIS/NFPA</td>
</tr>
<tr>
<td>PERSONAL PROTECTION INDEX</td>
<td>B - Safety Eyewear and Gloves</td>
</tr>
<tr>
<td>REVISION COMMENTS</td>
<td>Section 15: WHMIS</td>
</tr>
<tr>
<td>PREPARED BY</td>
<td>John Dingess</td>
</tr>
<tr>
<td></td>
<td>James W. Hermann</td>
</tr>
<tr>
<td>Replacement of MSDS generated</td>
<td>2005-06-07</td>
</tr>
<tr>
<td>DATE</td>
<td>2006-11-15</td>
</tr>
</tbody>
</table>

**DISCLAIMER**

While the information and recommendations set forth herein are believed to be accurate as of the date thereof, the company makes no warranty with respect thereto and disclaims all liability from reliance therein.

* Information revised since previous MSDS version

**PRINTING DATE:**

2007-01-04