11498 - LUBRIMATIC DISC/DRUM BRAKE WHEEL BEARING GREASE

MATERIAL SAFETY DATA SHEET
LUBRIMATIC DISC/DRUM BRAKE WHEEL BEARING GREASE

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

TRADE NAME
LUBRIMATIC DISC/DRUM BRAKE WHEEL BEARING GREASE

PART No.
11380, 11382, 11384, 11385, 11386, 11465

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

2. COMPOSITION, INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>INGREDIENT NAME</th>
<th>CAS No.</th>
<th>WEIGHT</th>
</tr>
</thead>
<tbody>
<tr>
<td>DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC</td>
<td>64742-52-5</td>
<td>30-50 %</td>
</tr>
<tr>
<td>DISTILLATES, PETROLEUM, SOLVENT-REFINED HEAVY PARAFFINIC</td>
<td>64741-88-4</td>
<td>10-30 %</td>
</tr>
<tr>
<td>POLYUREA THICKENER</td>
<td>Proprietary</td>
<td>5-10 %</td>
</tr>
<tr>
<td>CARBONIC ACID CALCIUM SALT (COMMON NAME: CALCIUM CARBONATE)</td>
<td>471-34-1</td>
<td>1-5 %</td>
</tr>
<tr>
<td>LIMESTONE (CALCIUM CARBONATE)</td>
<td>1317-65-3</td>
<td>1-5 %</td>
</tr>
</tbody>
</table>

COMPOSITION COMMENTS
Refer to section eight for exposure limits on ingredients.
Chemical ingredients not regulated by OSHA or SARA are treated confidentially.

3. HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW
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.

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
Oxides of: Carbon.

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, PERSONAL PROTECTION

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>STD</th>
<th>TWA</th>
<th>STEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Distillates, Petroleum, Hydrotreated Heavy Naphthenic</td>
<td>OSHA</td>
<td>5 mg/m3 (oil mist)</td>
<td></td>
</tr>
<tr>
<td>Distillates, Petroleum, Solvent-Refined Heavy Paraffinic</td>
<td>OSHA</td>
<td>5 mg/m3 (oil mist)</td>
<td>10 mg/m3 (oil mist)</td>
</tr>
<tr>
<td>Carbonic Acid Calcium Salt (Common Name: Calcium Carbonate)</td>
<td>OSHA</td>
<td>10 mg/m3 (total)</td>
<td></td>
</tr>
<tr>
<td>Limestone (Calcium Carbonate)</td>
<td>OSHA</td>
<td>15 mg/m3 (total)</td>
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PROTECTIVE EQUIPMENT
ENGINEERING CONTROLS
Use engineering controls to reduce air contamination to permissible exposure level.

VENTILATION
No specific ventilation requirements noted, but forced ventilation may still be required if air contamination exceeds acceptable level.

RESPIRATORS
No specific recommendation made, but respiratory protection may still be required under exceptional circumstances when excessive air contamination exists.

PROTECTIVE GLOVES
Chemical resistant gloves recommended to prevent prolonged or repeated contact. Use protective gloves made of: Neoprene, nitrile, polyethylene or PVC.

EYE PROTECTION
Wear splash-proof eye goggles to prevent any possibility of eye contact.

PROTECTIVE CLOTHING
Wear appropriate clothing to prevent repeated or prolonged skin contact.

HYGIENIC WORK PRACTICES
Wash at the end of each work shift and before eating, smoking and using the toilet.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE/PHYSICAL STATE
Grease.

COLOR
Blue.

ODOR
Mild (or faint). Petroleum.

SOLUBILITY DESCRIPTION
Insoluble in water.

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

DENSITY
0.89 - 0.90

TEMPERATURE (°C) 15.6 (60°F)

VAPOR DENSITY (air=1)
> 5

VAPOR PRESSURE
< 0.01 mmHg

TEMPERATURE (°C) 20 (68°F)

EVAPORATION RATE
< 0.01

REFERENCE
BuAc=1

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
HAZARDOUS DECOMPOSITION PRODUCTS

Oxides of: Carbon.

11. TOXICOLOGICAL INFORMATION

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

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

DOT HAZARD CLASS
Not regulated.
IDENTIFICATION No.
N/A
U.S. DOT HAZARD LABEL
No DOT label requirement
SEA TRANSPORT NOTES
Not regulated per IMDG.
AIR TRANSPORT NOTES
Not regulated per IATA.

15. REGULATORY INFORMATION

US FEDERAL REGULATIONS

<table>
<thead>
<tr>
<th>COMPONENT</th>
<th>SARA 302</th>
<th>CERCLA</th>
<th>SARA 313</th>
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<tbody>
<tr>
<td>DISTILLATES, PETROLEUM, HYDROTREATED HEAVY NAPHTHENIC</td>
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REGULATORY STATUS
Not regulated under SARA 302, SARA 313 or CERCLA.
16. OTHER INFORMATION

NFPA-HMIS HAZARD RATING

HEALTH
Irritation, minor residual injury (1) - HMIS/NFPA

FLAMMABILITY
Burns only if pre-heated (1) - HMIS/NFPA

REACTIVITY
Normally Stable (0) - HMIS/NFPA

PERSONAL PROTECTION INDEX
B - Safety Eyewear and Gloves

PREPARED BY
Bob Fox
James W. Hermann

Replacement MSDS of
2004-07-08

DATE
2004-07-12

PRINTING DATE:
2005-10-25

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