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

Name of product
GEARMASTER LXG 00

Manufacturer/distributor
Fuchs Lubritech GmbH
Hans-Reiner-Straße 7-13, D-67685 Weilerbach/ Germany
Phone +49 (0) 6374 / 924-5, Fax + 49 (0) 6374 / 924-940
E-Mail reach@fuchs-lubritech.de
Internet www.fuchs-lubritech.com

Advice
Product Safety Management
Phone +49 (0) 6374 / 924-808
Fax +49 (0) 6374 / 924-939

Emergency advice
+49 (0)171 / 4632154

2. HAZARDS IDENTIFICATION

Chemical characterization
Lithium complex soap thickened based on synthetic oil

Hazardous ingredients

<table>
<thead>
<tr>
<th>CAS No</th>
<th>EC No</th>
<th>Name</th>
<th>[% weight]</th>
<th>Classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>79984-93-7</td>
<td>1,3,4-Thiadiazol-2(3H)-thion, 5-(tert-dodecylidithio)</td>
<td>ca. 0.5</td>
<td>Xi;R43</td>
<td></td>
</tr>
</tbody>
</table>

Additional advice
Contains 1,3,4-Thiadiazol-2(3H)-thion, 5(tert.-dodecylidithio). May cause allergic reactions.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Special hazards information for humans and environment
none at appropriate handling and storage

4. FIRST AID MEASURES

General information
Remove contaminated soaked clothing immediately, don’t leave to dry.

In case of inhalation
Ensure of fresh air.
In the event of symptoms refer for medical treatment.
(may be relevant for vapours of superheated product)

In case of skin contact
In case of contact with skin wash off with soap and water.
Don’t use organic solvents
Consult a doctor if skin irritation persists.

In case of eye contact
In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.

In case of ingestion
Do not induce vomiting.
Call for a doctor immediately.

Physician’s information / possible symptoms
No symptoms known so far.

Physician’s information / possible dangers
Aspiration hazard when vomiting after swallow up

Treatment (Advice to doctor)
Treat symptoms.
5. FIRE-FIGHTING MEASURES

Suitable extinguishing media
- Foam
- Dry fire-extinguishing substance
- Carbon dioxide
- Sand

Extinguishing media which must not be used for safety reasons
- Water

Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases
- Fire gas of organic material has to be classed invariably as respiratory poison.

Special protective equipment for fire-fighters
- In case of rescue and maintenance activities in storage containers use environment-independent breathing apparatus because of risk of suffocation by edging out of air oxygen.
- Wear suitable personal protective equipment for fire extinguishing measures.

Additional information
- Apply foam in large quantities because some of it is destroyed by the product.
- Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions
- Ensure adequate ventilation.
- Use personal protective clothing.
- Avoid contact with skin and eyes.
- High risk of slipping due to leakage/spillage of product.

Environmental precautions
- Collect contaminated water / firefighting water separately.
- Do not discharge into the drains/surface waters/groundwater.
- Do not discharge into the subsoil/soil.

Methods for cleaning up
- Send in suitable containers for recovery or disposal.
- Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

Additional Information
- Informations for disposal see chapter 13.

7. HANDLING AND STORAGE

Advice on safe handling
- Avoid formation of oil dust.
- Avoid formation of aerosols.

Advice on protection against fire and explosion
- The product is combustible.
- Pay attention to general rules of internal fire prevention.

Requirements for storage rooms and vessels
- Prevent penetration into the ground.

Advice on storage compatibility
- Do not store together with oxidising and self-inflammable materials.

Further information on storage conditions
- Keep container tightly closed, store at cool and aired place, open and handle carefully.
- Protect from heat and direct solar radiation.
- Store in a dry place.
- Recommended storage temperature: room temperature.

Storage group
- 10/11

Fire class
- B

Information on storage stability
- Refer to product information paper.
8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Additional advice on system design
Care for good room ventilation, exhaust system at workshop place if necessary

Additional advice
As basis for this information served the valid references.

Respiratory protection
Not required at determined application

Hand protection
Gloves (oil-resistant)
PVC gloves

Eye protection
Tightly fitting goggles, in case of splashing

Skin protection
Usual working clothes for chemical industries

General protective measures
Avoid contact with eyes and skin
Do not inhale gases/vapours/aerosols.

Hygiene measures
Follow general rules of industrial hygiene for safe handling of chemical products
At work do not eat, drink and smoke.
Keep away from food and drink.
Wash hands before breaks and after work.
Use barrier skin cream.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Form</th>
<th>Colour</th>
<th>Odour</th>
</tr>
</thead>
<tbody>
<tr>
<td>pasty</td>
<td>yellow</td>
<td>characteristic</td>
</tr>
</tbody>
</table>

Important health, safety and environmental information

<table>
<thead>
<tr>
<th>pH value in delivery state</th>
<th>Value</th>
<th>Temperature at</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>not applicable</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

| drop point | ca. 220 °C | DIN/ISO 2176 |               |                 |
| Flash point | not applicable |         |             |                 |
| Autoignition | unknown |         |             |                 |
| Density | ca. 0,9 g/cm³ | 20 °C |             | more or less insoluble |

Solubility in water

| Oxidizing properties | no | |
| Explosive properties | no | |

10. STABILITY AND REACTIVITY

Conditions to avoid
none at appropriate handling and storage

Materials to avoid
Reactions with oxidising agents.

Hazardous decomposition products
none at appropriate handling and storage

Thermal decomposition
Remark
No decomposition if used as directed.
11. TOXICOLOGICAL INFORMATION

Acute toxicity/Irritability/Sensitization

<table>
<thead>
<tr>
<th>Value/Validation</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD 50 acute oral</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irritability skin</td>
<td>no irritating effects known</td>
<td></td>
<td>experiences</td>
</tr>
<tr>
<td>Irritability eye</td>
<td>may have irritating effect</td>
<td></td>
<td>if splash reaches eye</td>
</tr>
<tr>
<td>Skin sensitization</td>
<td>No sensitizing effect known</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Experiences made from practice
Product was determined in test person study as non-sensitizing skin.
no harmful effects at appropriate handling and determined usage

Additional information
No toxical dates available.
The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

12. ECOLOGICAL INFORMATION

Data on elimination (persistence and degradability)

<table>
<thead>
<tr>
<th>Elimination rate</th>
<th>Method of analysis</th>
<th>Method</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biological degradability</td>
<td></td>
<td></td>
<td>not determined</td>
</tr>
</tbody>
</table>

Mobility and bioaccumulative potential
The product has not been tested. Because of the product's consistency and low solubility in water bioavailability is not likely.

Ecotoxicological effects

<table>
<thead>
<tr>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td>not determined</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Behaviour in sewage plant
Product gets duly not into waste water before it is not treated according to the local regulations.

General regulation
Ecological dates are not available.
Do not allow uncontrolled leakage of product into the environment.
Product is not allowed to be discharged into aquatic environment, drains or sewage treatment plants.

13. DISPOSAL CONSIDERATIONS

Waste code No. Name of waste
12 01 12* spent waxes and fats

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

Recommendations for the product
Standardized regulations for residual waste disposal within the EG member states do not exist.
German statutes are prescribed in the law of "recycling and waste" (KrW/AbfG)
used absorbents of chapter 6: EAK 07 06 10

Recommendations for packaging
Uncontaminated packaging may be reused.
Dispose one-trip container according to local authority prescriptions
Empty containers completely; remaining material may represent explosion risk.

General information
Ultimately responsible for correct classification is the waste producer, as the EWC names different codes for different origins of same waste
Therefore the a.m. recommendation has to be checked in case of need.
14. TRANSPORT INFORMATION

Land and inland navigation transport ADR/RID
No hazardous material as defined by the prescriptions.

Marine transport IMDG
No hazardous goods as defined by prescriptions

Air transport ICAO/IATA-DGR
No hazardous goods as defined by prescriptions

15. REGULATORY INFORMATION

Remarks for classification
The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.
Although this product does not require a hazard warning label, we recommend that the safety advice should be observed.
Labelling not necessary on the basis of results of toxical examination.

Special labelling for certain preparations
Contains 1,3,4-Thiadiazol-2(3H)-thion, 5(tert.-dodecyldithio). May cause allergic reactions.

National regulations

Water hazard class 1 Mixture-WGK according to VwVwS (GER) preliminary

VOC standard
VOC content 0 %

16. OTHER INFORMATION

Training advice
Use information in this MSDS

Recommendend uses and restrictions
usage only according to instructions for use and observance of warning notes
National and local regulations concerning chemicals shall be observed.

Further information
The information given in this MSDS is based on the present state of knowledge and is intended to describe our products from the point of view of safety requirements only.
Substantial changes to the former version are marked by "!" on the left margin of the paper.
Refer to product information paper.
All the raw materials in this product are listed in TSCA.

Sources of key data used
Material Safety Data Sheets of raw materials