



**STIHL MM Gear Lubricant**  
Part Number: 0781-120-1004

Distributed by:  
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Safety Data Sheet according to Regulation (EC) No. 1907/  
2006 (REACH)

Printed 10.02.2009  
Revision 19.03.2007 (GB) Version 2.2

**GEARMASTER LXG 00**  
A01-05069

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

**Name of product** GEARMASTER LXG 00

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## 2. HAZARDS IDENTIFICATION

### Chemical characterization

Lithium complex soap thickened based on synthetic oil

### Hazardous ingredients

| CAS No     | EC No | Name   | [% weight] | Classification |
|------------|-------|--|------------|----------------|
| 73984-93-7 |       | 1,3,4-Thiadiazol-2(3H)-thion, 5-(tert.-dodecylidithio) | ca. 0,5    | Xi;R43         |

### 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.



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## 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.

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## 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.

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## 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

### Form

pasty

### Colour

yellow

### Odour

characteristic

### Important health, safety and environmental information

|                                   | Value                     | Temperature | at | Method       | Remark                 |
|-----------------------------------|---------------------------|-------------|----|--------------|------------------------|
| <b>pH value in delivery state</b> |                           |             |    |              | not applicable         |
| <b>drop point</b>                 | ca. 220 °C                |             |    | DIN/ISO 2176 |                        |
| <b>Flash point</b>                |                           |             |    |              | not applicable         |
| <b>Autoignition</b>               |                           |             |    |              | unknown                |
| <b>Density</b>                    | ca. 0,9 g/cm <sup>3</sup> | 20 °C       |    |              |                        |
| <b>Solubility in water</b>        |                           |             |    |              | more or less insoluble |
| <b>Oxidizing properties</b>       | no                        |             |    |              |                        |
| <b>Explosive properties</b>       | 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

|                           | Value/Validation            | Species | Method | Remark                |
|---------------------------|-----------------------------|---------|--------|-----------------------|
| <b>LD 50 acute oral</b>   |                             |         |        | not determined        |
| <b>Irritability skin</b>  | no irritating effects known |         |        | experiences           |
| <b>Irritability eye</b>   | may have irritating effect  |         |        | if splash reaches eye |
| <b>Skin sensitization</b> | No sensitizing effect known |         |        |                       |

### 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 toxicological data 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)

|                                 | Elimination rate | Method of analysis | Method | Validation     |
|---------------------------------|------------------|--------------------|--------|----------------|
| <b>Biological degradability</b> |                  |                    |        | not determined |

### 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

|             | Value | Species | Method | Validation     |
|-------------|-------|---------|--------|----------------|
| <b>Fish</b> |       |         |        | not determined |

### Behaviour in sewage plant

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

### General regulation

Ecological data 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.



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## 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

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## 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 toxicological examination.

### Special labelling for certain preparations

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

### National regulations

|                           |   |   |
|---------------------------|---|---|
| <b>Water hazard class</b> | 1 | Mixture-WGK according to VwVwS (GER)<br>preliminary |
|---------------------------|---|---|

### VOC standard

|                    |     |
|--------------------|-----|
| <b>VOC content</b> | 0 % |
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## 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