

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Name of product GEARMASTER LXG 00

1.2. Relevant identified uses of the substance or mixture and uses advised against Recommended intended purpose(s)

Free-flowing grease

1.3. Details of the supplier of the safety data sheet

Manufacturer/distributor

FUCHS LUBRITECH GMBH
Werner-Heisenberg-Straße 1, D-67661 Kaiserslautern/Germany
Phone +49 (0) 6301 3206 - 0, Fax +49 (0) 6301 3206 - 940
E-Mail reach@fuchs-lubritech.de
Internet www.fuchs-lubritech.com

Advice

Product Safety Management
Phone +49 (0) 6301 3206 - 0
Fax +49 (0) 6301 3206 - 940
E-mail (competent person):
reach@fuchs-lubritech.de

1.4. Emergency telephone number

Emergency advice

+49 (0)171 / 4632154
Phone 06301/3206-808
This number is only available at office times.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to 67/548/EEC or 1999/45/EC

Additional hints

The product does not require a hazard warning label in accordance with EC directives/German regulations on dangerous substances.

2.2. Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

! Special rules for supplemental label elements for certain mixtures

Enthält Alkyldithiothiadiazol, long chain . Kann allergische Reaktionen hervorrufen.
Safety data sheet available on request.

2.3. Other hazards

Information pertaining to special dangers for human and environment

none at appropriate handling and storage

! SECTION 3: Composition/ information on ingredients

3.1. Substances

not applicable

3.2. Mixtures

Description

Lithium complex soap thickened based on synthetic oil

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
68937-41-7	273-066-3	Phenol, isobutyleneated, phosphate (3:1)	0,1 <= 1	Xn; R62-63-48/22;N;51/53
80939-62-4		Aminphosphat-Gemisch	0,1 < 1	Xi, N,R36/38-51/53
12007-60-2	234-514-3	Lithiumtetraborat	1 < 5	Xn,R22

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
68937-41-7	273-066-3	Phenol, isobutyleneated, phosphate (3:1)	0,1 <= 1	Repr. 2, H361 / STOT RE 2, H373 / Aquatic Chronic 2, H411
80939-62-4		Aminphosphat-Gemisch	0,1 < 1	Aquatic Chronic 2, H411 / Skin Irrit. 2, H315 / Eye Irrit. 2, H319
12007-60-2	234-514-3	Lithiumtetraborat	1 < 5	Acute Tox. 4, H302

! Additional advice

Enthält Alkyldithiothiadiazol, long chain. Kann allergische Reaktionen hervorrufen.

SECTION 4: First aid measures

4.1. Description of 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.

4.2. Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

No symptoms known so far.

Physician's information / possible dangers

Aspiration hazard when vomiting after swallow up

4.3. Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam

Dry fire-extinguishing substance

Carbon dioxide

sand

Unsuitable extinguishing media

water

5.2. Special hazards arising from the substance or mixture

Fire gas of organic material has to be classed invariably as respiratory poison.

5.3. Advice for firefighters

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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures****For non-emergency personnel**

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

For emergency responders

unknown

6.2. Environmental precautions

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

6.3. Methods and material for containment and 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

unknown

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8
Emergency telephone number: see section 1

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Avoid formation of oil dust.
Avoid formation of aerosols.

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.

Advice on protection against fire and explosion

The product is combustible.
Pay attention to general rules of internal fire prevention.

7.2. Conditions for safe storage, including any incompatibilities**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.

Information on storage stability

Refer to product information paper.

Storage group 11

Fire class B



7.3. Specific end use(s)

Recommendation(s) for intended use

see Product information

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Additional advice

As basis for this information served the valid references.

8.2. Exposure controls

Respiratory protection

Not required at determined application

Hand protection

Gloves (oil-resistant)

PVC gloves

Eye protection

tightly fitting goggles, in case of splashing

Other protection measures

Usual working clothes for chemical industries

Appropriate engineering controls

Care for good room ventilation, exhaust system at workshop place if necessary

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

pasty

Colour

yellow

Odour

characteristic

Odour threshold

not determined

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value					not applicable
Boiling temperature / boiling range	not determined				
drop point	ca. 220 °C			DIN/ISO 2176	
Flash point					not applicable
Vapourisation rate	not determined				
Flammable (solid)	not determined				
Flammability (gas)	not determined				
Ignition temperature	not determined				
Self ignition temperature					unknown
Lower explosion limit	not determined				
Upper explosion limit	not determined				
Vapour pressure	not determined				
Relative density	ca. 0,9 g/cm ³	20 °C			
Vapour density	not determined				

	Value	Temperature	at	Method	Remark
Solubility in water					more or less insoluble
Solubility/other	not determined				
Partition coefficient n-octanol/water (log P O/W)	not determined				
Decomposition temperature	not determined				
Viscosity	not determined				
Oxidising properties	no				
Explosive properties	no				
9.2. Other information	No information available.				

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

none at appropriate handling and storage

10.5. Incompatible materials

Materials to avoid

Reactions with oxidising agents.

10.6. Hazardous decomposition products

none at appropriate handling and storage

Thermal decomposition

Remark No decomposition if used as directed.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral				not determined
Irritability skin	no irritating effects known			experiences
Irritability eye	may have irritating effect			if splash reaches eye
Skin sensitization	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).

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicological effects

Value	Species	Method	Validation
Fish			not determined

12.2. Persistence and degradability

Biological

degradability

not determined

12.3. Bioaccumulative potential

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

12.4. Mobility in soil

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste code No.

12 01 12*

Name of waste

spent waxes and fats

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 2008/98/EC 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.

SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-

14.6. Special precautions for user

unknown

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not applicable

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No dangerous goods as defined by these transport regulations.

Air transport ICAO/IATA-DGR

No dangerous goods as defined by these transport regulations.

Transport/further information

No hazardous goods as defined by prescriptions

! SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****VOC standard****VOC content** 0 %**National regulations****Water hazard class**1 Mixture-WGK according to VwVwS (GER)
preliminary**15.2. Chemical Safety Assessment**

No information available.

SECTION 16: Other information**Training advice**

Use information in this MSDS

Recommended uses and restrictionsusage 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.

All the raw materials in this product are listed in TSCA.

All the raw materials in this product are listed in AICS.

All the raw materials in this product are listed in NZIoC (New Zealand).

Refer to product information paper.

Indication of changes: "!" = Data changed compared with the previous version. Previous version: 3.3

Sources of key data used

Material Safety Data Sheets of raw materials

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 22 Harmful if swallowed.

R 36/38 Irritating to eyes and skin.

R 48/22 Harmful: danger of serious damage to health by prolonged exposure if swallowed.

R 51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 62 Possible risk of impaired fertility.

R 63 Possible risk of harm to the unborn child.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H361 Suspected of damaging fertility or the unborn child (state specific effect if known) (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H373 May cause damage to organs (or state all organs affected, if known) through prolonged or repeated exposure (state route of exposure if it is conclusively proven that no other routes of exposure cause the hazard).

H411 Toxic to aquatic life with long lasting effects.