



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

Printed 24.08.2007  
Revision 19.06.2007 (GB) Version 1.5  
**GEARMASTER PGP 1000**  
A01657

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

**Name of product** GEARMASTER PGP 1000

**Manufacturer/distributor** Fuchs Lubritech GmbH  
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**Advice** Product Safety Management  
Phone +49 (0) 6374 / 924-808  
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**Emergency advice**

**Recommended intended purpose(s)**  
Lubrication oil

**EMERGENCY TELEPHONE NO.**  
**800-255-3924**

## 2. HAZARDS IDENTIFICATION

**! Classification**

R52/53

**R-phrases**

52/53

Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**Special hazards information for humans and environment**

none at appropriate handling and storage

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical characterization**

formulation of synthetic oils with additives

**Hazardous ingredients**

CAS No	EC No	Name	[% weight]	Classification
		Alkarylamin	1 - 2,4	R52/53
		phenolisches Antioxidans	0,1 - 1	
		Ölsäure-Derivat	0,1 - 1	Xi;R38-41, N;R50/53

**Additional advice**

none at appropriate handling and storage

## 4. FIRST AID MEASURES

**General information**

Remove contaminated soaked clothing immediately.

**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.

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**

Call doctor in case of indisposition

Do not induce vomiting.

**Physician's information / possible symptoms**

No symptoms known so far.

**Treatment (Advice to doctor)**

Treat symptoms.



## 5. FIRE-FIGHTING MEASURES

### Suitable extinguishing media

Alcohol-resistant foam  
Dry powder  
Carbon dioxide  
Water spray jet

### Extinguishing media which must not be used for safety reasons

Full water jet  
Strong water jet

### 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 full protective clothing.

### Additional information

Apply foam in large quantities because some of it is destroyed by the product.  
Collect contaminated firefighting water separately, must not be discharged into the drains.

## 6. ACCIDENTAL RELEASE MEASURES

### Personal precautions

Avoid skin contact to draining liquid  
Use personal protective clothing.  
High risk of slipping due to leakage/spillage of product.

### Environmental precautions

Do not discharge into the drains/surface waters/groundwater.  
Prevent spread over a wide area (e.g. by containment or oil barriers).  
Do not discharge into the subsoil/soil.

### Methods for cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).  
After taking up the material dispose according to regulation.

### Additional Information

Informations for disposal see chapter 13.  
No dangerous substances are released

## 7. HANDLING AND STORAGE

### Advice on safe handling

Avoid formation of aerosols.

### Advice on protection against fire and explosion

Don't heat up to temperatures at close range to flash point

### Requirements for storage rooms and vessels

Prevent penetration into the ground.

### Advice on storage compatibility

Do not store together with food.

### 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.

**Storage group** 10

**Fire class** B

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Additional advice on system design

not necessary in general

### Additional advice

As basis for this information served the valid references.

### Respiratory protection

not necessary in general

### Hand protection

Gloves (oil-resistant)



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**Eye protection**

safety goggles

**Skin protection**

Usual working clothes for chemical industries

**General protective measures**

Avoid contact with eyes and skin

**Hygiene measures**

Cloths contaminated with product should not be kept in trouser pockets.

At work do not eat, drink and smoke.

Storing of food in workroom forbidden.

Wash hands before breaks and after work.

Use barrier skin cream.

**9. PHYSICAL AND CHEMICAL PROPERTIES**

**Form**

liquid

**Colour**

light yellow

**Odour**

characteristic

**Important health, safety and environmental information**

	Value	Temperature	at	Method	Remark
<b>boiling range</b>					not applicable
<b>pourpoint</b>					not determined
<b>Flash point</b>	292 °C			DIN/ISO 2592	
<b>Autoignition</b>					unknown
<b>Density</b>	ca. 1,07 g/cm3	20 °C		DIN 51757	
<b>Solubility in water</b>					partially miscible
<b>Viscosity 1 kinematic</b>	1000 mm2/s	40 °C		DIN 51562	
<b>Oxidizing properties</b>	no				
<b>Explosive properties</b>	no				

**10. STABILITY AND REACTIVITY**

**Conditions to avoid**

Evolution of flammable mixtures possible in air when heated above flash point and/or during spraying or misting.

**Materials to avoid**

Reactions with strong oxidising agents.

**Hazardous decomposition products**

No hazardous decomposition products known.

**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			
<b>Irritability eye</b>	no irritating effects known			
<b>Skin sensitization</b>	No sensitizing effect known			



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**Experiences made from practice**

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 (88/379/EEC).

**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. Preparation is water insoluble and does not form an emulsion.

**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. Product sinks to ground due to density and may possibly pass conventional light oil interceptor.

**General regulation**

Because of damage to water organisms do not fill in presurge. Product is not allowed to be discharged into the ground water or aquatic environment.

**13. DISPOSAL CONSIDERATIONS**

**Waste code No.**

07 06 04\*  
13 02 06\*

**Name of waste**

other organic solvents, washing liquids and mother liquors  
synthetic engine, gear and lubricating oils

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). Product rests: send for disposal, e.g. special waste incineration. used absorbents of chapter 6: EAK 07 06 10

**Recommendations for packaging**

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse. Dispose one-trip container according to local authority prescriptions. EAK 15 01 99 D1: packing material with harmful contamination

**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



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## 15. REGULATORY INFORMATION

### Remarks for classification

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.  
Classification happened on the basis of calculation methods of preparation directive ( 88 / 379 / EEC ).

### R-phrases

52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

### S-phrases

61 Avoid release to the environment. Refer to special instructions/safety data sheets.

### National regulations

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

### Wording of the R-phrases specified in chapter 2 (not the classification of the formulation!)

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

R 52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.