



## Safety data-sheet (91/155 EEC)

Printed 07.02.2006  
Revision 19.08.2005 (GB) Version 1.1  
**HYKOGREEN LS 50**  
A02669

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

<b>Name of product</b>	<b>HYKOGREEN LS 50</b>
<b>Manufacturer/distributor</b>	Fuchs Lubritech GmbH Hans-Reiner-Straße 7-13, D-67685 Weilerbach/ Germany Postbox POBox 51, D-67683 Weilerbach/ Germany Phone +49 (0) 6374 / 924-5, Fax + 49 (0) 6374 / 924-940  E-Mail <a href="mailto:info@fuchs-lubritech.de">info@fuchs-lubritech.de</a> Internet <a href="http://www.fuchs-lubritech.com">www.fuchs-lubritech.com</a>
<b>Advice</b>	Product Safety Management Phone +49 (0) 6374 / 924-808 Fax +49 (0) 6374 / 924-939
<b>Emergency advice</b>	+49 (0)171 / 4632154
<b>! Recommended intended purpose(s)</b>	metal forming lubricant

### ! 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Chemical characterization</b>	Mineral-oil based paste with solid lubricants and additives
<b>! Additional advice</b>	No hazardous material resp. below level of consideration according to RL 67/548 EWG

### ! 3. HAZARDS IDENTIFICATION

<b>! Special hazards information for humans and environment</b>	none at appropriate handling and storage
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### ! 4. FIRST AID MEASURES

<b>! General information</b>	Remove contaminated soaked clothing immediately, don't leave to dry.
<b>In case of inhalation</b>	Call doctor in case of indisposition Ensure of fresh air. (may be relevant for vapours of superheated product)
<b>! In case of skin contact</b>	In case of contact with skin wash off with soap and water. Don't use organic solvents Consult a doctor if skin irritation persists.
<b>In case of eye contact</b>	In case of contact with eyes rinse with plenty of water carefully. In the event of persistent symptoms seek medical treatment.
<b>In case of ingestion</b>	Do not induce vomiting. Refer to medical treatment.
<b>! Physician's information / possible symptoms</b>	No symptoms known so far.
<b>! Physician's information / possible dangers</b>	Aspiration hazard when vomiting after swallow up
<b>Treatment (Advice to doctor)</b>	Treat symptoms. Cream skin to avoid dermatitis

### ! 5. FIRE-FIGHTING MEASURES

<b>Suitable extinguishing media</b>	Foam Dry powder Carbon dioxide sand water mist
<b>Extinguishing media which must not be used for safety reasons</b>	Full water jet



**! Special exposure hazards arising from the substance or preparation itself, combustion products, resulting gases**

Fire gas of organic material has to be classified as harmful for respiratory apparatus.

**! 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**

Collect contaminated firefighting water separately, must not be discharged into the drains.

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**! 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Use personal protective clothing.

Avoid contact with skin and eyes

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**

Send in suitable containers for recovery or disposal.

Take up residues with absorbent material (e.g. sand, sawdust, general-purpose binder).

**! Additional Information**

Informations for disposal see chapter 13.

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**! 7. HANDLING AND STORAGE**

**Advice on safe handling**

Take the usual precautions when handling with chemicals.

**Advice on protection against fire and explosion**

Keep at a distance of combustible materials.

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.

Recommended storage temperature: room temperature.

**Storage group** 10/11

**Fire class** B

**Information on storage stability**

In enclosed original container and at storage temperature of 25°C maximum product keeps stable for at least 12 months.

**! Recommendation(s) for intended use**

see Product information

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**! 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**! Additional advice on system design**

none at appropriate handling and storage

**! Additional advice**

This product as such does not contain any relevant ingredients with to be observed limited values

As basis for this information served the valid references.

**! Respiratory protection**

Not required at determined application

**Hand protection**

Wear gloves of PVC at prolonged or intensive skin contact

**Eye protection**

tightly fitting goggles, in case of splashing

**! Skin protection**

Usual working clothes for chemical industries



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**! 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.  
Remove soiled or soaked clothing immediately.  
Keep away from food and drink.  
Wash hands before breaks and after work.  
Use barrier skin cream.

**! 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form	Colour	Odour			
pasty	white	like mineral oil			
Important health, safety and environmental information					
	Value	Temperature	at	Method	Remark
pH value in delivery state					not applicable
stock point	< -30 °C			DIN/ISO 2176	
Flash point	> 160 °C			DIN/ISO 2592	data refer to the base oil
Autoignition					unknown
Density	ca. 1,3 g/cm3	20 °C		pycnometer	
Solubility in water					more or less insoluble
Solubility/other			mineral oil		
Oxidizing properties					
no					
Explosive properties					
no					

**! 10. STABILITY AND REACTIVITY****! Conditions to avoid**

none at appropriate handling and storage

**! Materials to avoid**

Reactions with strong oxidising agents.

**! Hazardous decomposition products**

none at appropriate handling and storage

**Thermal decomposition**

Remark No decomposition if suitable use.

**! 11. TOXICOLOGICAL INFORMATION****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
LD 50 acute oral				not determined
Irritability skin	no irritating effects known			
Irritability eye	may have irritating effect			if splash reaches eye
Sensitization skin	No sensitizing effect known			

**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).



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## ! 12. ECOLOGICAL INFORMATION

### Data on elimination (persistence and degradability)

Elimination rate

Method of analysis

Method

Validation

#### Biological degradability

not determined

### Mobility and bioaccumulative potential

Because of its consistency the product cannot be dispersed in the environment. Adverse ecological effects are therefore unlikely on the basis of current knowledge.

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 formate emulsion

### Ecotoxicological effects

Value

Species

Method

Validation

#### Fish

not determined

### Behaviour in sewage plant

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

The viscous consistency of the product can cause trouble in transport lines and purification plants.

### ! General regulation

Ecological dates are not available.

Do not discharge product unmonitored into the environment.

Product is not allowed to discharge into aquatic environment, drains or sewage treatment plants.

## ! 13. DISPOSAL CONSIDERATIONS

### ! 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)

Remove in accordance with local official regulations.

used absorbents of chapter 6: EAK 07 06 10

### ! Recommendations for packaging

Totally emptied packaging may be taken for recycling.

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

## ! 14. TRANSPORT INFORMATION

### Land and inland navigation transport ADR/RID

#### ! Remarks

No hazardous material as defined by the prescriptions.

### Marine transport IMDG

#### Remarks

No hazardous goods as defined by prescriptions

### Air transport ICAO/IATA-DGR

#### Remarks

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.

Classification happened on the basis of calculation methods of preparation directive ( 88 / 379 / EEC ).

### National regulations

#### Water hazard class

1

Mixture-WGK according to VwVwS (GER)  
preliminary



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VOC standard

VOC content

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