



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

Product identifier

Name of product gleitmo 599

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

see Product information

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

Emergency telephone number

Emergency advice +49 (0)171 / 4632154

No information available.

SECTION 2: Hazards identification

Classification of the substance or mixture

No information available.

Label elements

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

Remarks for labelling

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 (1999/45/EC).

Other hazards

Information pertaining to special dangers for human and environment

none at appropriate handling and storage

SECTION 3: Composition/ information on ingredients

Description

Perfluorinated polyether with additives

Additional advice

No hazardous material resp. below level of consideration according to RL 67/548 EWG

SECTION 4: First aid measures

Description of first aid measures

General information

Remove contaminated soaked clothing immediately, don't leave to dry.

In case of inhalation

Call doctor in case of indisposition

Ensure of fresh air.

(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

Give plenty of water to drink in small sips.
Induce vomiting if patient is conscious, seek medical advice.

Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

Stomache -ache
vomiting
Dizziness

Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

Treat symptoms.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

water
Foam
Dry powder
Carbon dioxide

Extinguishing media which must not be used for safety reasons

unknown

Special hazards arising from the substance or mixture

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

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

Cool endangered containers with water spray jet.
Fire residues and contaminated firefighting water must be disposed of in accordance with the local regulations.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

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

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

Methods and material for containment and cleaning up

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

Additional Information

Informations for disposal see chapter 13.

Reference to other sections

No information available.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Care for thoroughly room ventilation, if necessary use in well ventilated area with local exhaust ventilation at workplace.

Advice on protection against fire and explosion

Product itself is not flammable.
Pay attention to general rules of internal fire prevention.



Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Prevent penetration into the ground.
Use glass containers.
Use plastic container.

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.
Recommended storage temperature: room temperature.
Recommended storage temperature: 35 °C.

Storage group 12/13

Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

Control parameters

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.

Exposure controls

Respiratory protection

Not required at determined application

Hand protection

Rubber gloves

Eye protection

safety goggles

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

Cloths contaminated with product should not be kept in trouser pockets.
At work do not eat, drink, smoke or take drugs.
Follow general rules of industrial hygiene for safe handling of chemical products
Remove soiled or soaked clothing immediately.
Work in rooms with good ventilation.
Keep away from food and drink.
Wash hands and skin before breaks and after work.
Use barrier skin cream.

Additional advice on system design

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

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form

pasty

Colour

light grey

Odour

odourless

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state					not applicable
boiling range					not determined
Flash point					not applicable



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

Printed
revision

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gleitmo 599
A01-00400

	Value	Temperature	at	Method	Remark
Autoignition					unknown
Density	1,9 g/cm ³	20 °C			
Solubility in water					more or less insoluble
Viscosity	300 - 320 cSt	40 °C			refers to base oil
Viscosity consistency					NLGI 3
Oxidizing properties	no				
Explosive properties	no				
Other information	No information available.				

SECTION 10: Stability and reactivity

Reactivity

No information available.

Chemical stability

No information available.

Possibility of hazardous reactions

No information available.

Conditions to avoid

Heating, unshielded flame, ignition source, electrostatic charge

Incompatible materials

Materials to avoid

Reactions with Lewis acids
Reactions with alkalis.

Hazardous decomposition products

Toxic gases/vapours
Hydrogen fluoride
Carbonyl fluoride

Thermal decomposition

Remark No decomposition below 260 °C.

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 25000 mg/kg	rat		Information concerns to main component.
Irritability skin	non-irritant	rabbit		Information refers to main component.
Irritability eye	non-irritant	rabbit eye		Information refers to main component.
Skin sensitization	non-sensitizing	Guinea pig		Information refers to main component.

Subacute Toxicity - Carcinogenicity

	Value	Species	Method	Validation
Mutagenicity	Ames-Test		Information refers to main component.	negativ

Experiences made from practice

no harmful effects at appropriate handling and determined usage



Additional information

The declarations of toxicology refer to main component.
The product was classified on the basis of the calculation procedure of the preparation directive (1999/45/EC).

SECTION 12: Ecological information

Toxicity

Ecotoxicological effects

Value	Species	Method	Validation
Fish			not determined
Persistence and degradability			
Biological degradability			not determined
Bioaccumulative potential			
No information available.			
Mobility in soil			
No information available.			
Results of PBT and vPvB assessment			
No information available.			
Other adverse effects			
Behaviour in sewage plant			
Product sinks to ground due to density and may possibly pass conventional light oil interceptor			
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.			

SECTION 13: Disposal considerations

Waste treatment methods

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)

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

General information

Therefore the a.m. recommendation has to be checked in case of need.

SECTION 14: Transport information

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations.

Marine transport IMDG

No hazardous goods as defined by prescriptions

Air transport ICAO/IATA-DGR

No hazardous goods as defined by prescriptions

Special precautions for user

No information available.

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

No information available.



SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

VOC standard

VOC content 0 %

National regulations

Water hazard class - non water hazardous material

Chemical Safety Assessment

No information available.

SECTION 16: Other information

Training advice

Use information in this MSDS

Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

Further information

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.

Refer to product information paper.

The information contained herein is based on the state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

Sources of key data used

Material Safety Data Sheets of raw materials