

SAFETY DATA SHEET

According to Regulation (EC) No. 1907/2006 (REACH) Article 31, Annex II as amended.

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

1.1 Product identifier

Product name: gleitmo 805 K

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses: Lubricant

Uses advised against: No uses advised against identified.

1.3 Details of the supplier of the safety data sheet

Manufacturer / Supplier

FUCHS LUBRITECH GmbH
Werner-Heisenberg-Straße 1
67661 Kaiserslautern/Germany

Telephone:

+49 (0) 6301 3206-0

Fax:

+49 (0) 6301 3206-940

US Distributor

Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426
(708) 333-8900

(800) 255-3924 24 hrs Emergency

Contact Person:

FUCHS LUBRITECH GmbH - Product Safety Management

Telephone:

+49 (0) 6301 3206-0

Fax:

+49 (0) 6301 3206-940

E-mail:

reach@fuchs-lubritech.de

1.4 Emergency telephone number: +49 (0) 6301 3206-0

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to regulation (EU) 1272/2008 (CLP).

Classification according to Regulation (EC) No 1272/2008 as amended.

Environmental Hazards

Chronic hazards to the aquatic environment

Category 3

H412: Harmful to aquatic life with long lasting effects.

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements

Contains: Zinkdiphosphat



Product name: gleitmo 805 K

Hazard Statement(s): H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement

Prevention: P273: Avoid release to the environment.

2.3 Other hazards: The product may not be released into the environment without control.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

General information: Mixture of the substances listed below with harmless additions.

Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Lime hydrate	EINECS: 215-137-3	20,00 - <50,00%	01-2119475151-45	
inorganic Zink salt	EINECS: 231-203-4	2,50 - <5,00%		
Zn compound	EINECS: 215-222-5	1,00 - <2,50%	01-2119463881-32	
phenol derivative	Confidential	1,00 - <5,00%	Confidential	

* All concentrations are percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.
PBT: persistent, bioaccumulative and toxic substance.
vPvB: very persistent and very bioaccumulative substance.

Classification

Chemical name	Identifier	Classification
Lime hydrate	EINECS: 215-137-3	CLP: Eye Dam. 1;H318, STOT SE 3;H335, Skin Irrit. 2;H315
inorganic Zink salt	EINECS: 231-203-4	CLP: Aquatic Chronic 2;H411
Zn compound	EINECS: 215-222-5	CLP: Aquatic Acute 1;H400, Aquatic Chronic 1;H410
phenol derivative	Confidential	CLP: Aquatic Chronic 4;H413

CLP: Regulation No. 1272/2008.

For the wording of the listed risk phrases refer to section 16.

SECTION 4: First aid measures

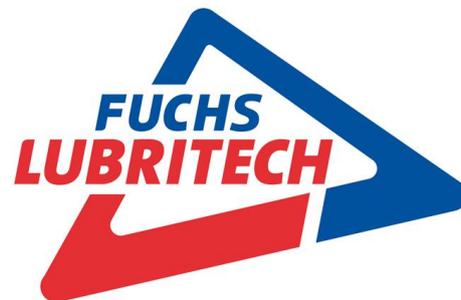
General: Instantly remove any clothing soiled by the product.

4.1 Description of first aid measures

Inhalation: Supply fresh air; consult doctor in case of symptoms.

Eye contact: Promptly wash eyes with plenty of water while lifting the eye lids.

Skin Contact: Wash with soap and water. The product is not skin irritating.



Product name: gleitmo 805 K

- | | |
|---|--|
| Ingestion: | Rinse mouth thoroughly. |
| 4.2 Most important symptoms and effects, both acute and delayed: | No data available. |
| 4.3 Indication of any immediate medical attention and special treatment needed | Get medical attention if symptoms occur. |

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: CO₂, fire extinguishing powder or fog like water spraying. Extinguish larger fires with alcohol resistant foam or spray water with suitable surfactant added

Unsuitable extinguishing media: Water with a full water jet.

5.2 Special hazards arising from the substance or mixture: During fire, gases hazardous to health may be formed.

5.3 Advice for firefighters

Special fire fighting procedures: Move container from fire area if it can be done without risk. Dispose of fire debris and contaminated fire fighting water in accordance with official regulations. Collect contaminated fire fighting water separately. It must not enter drains.

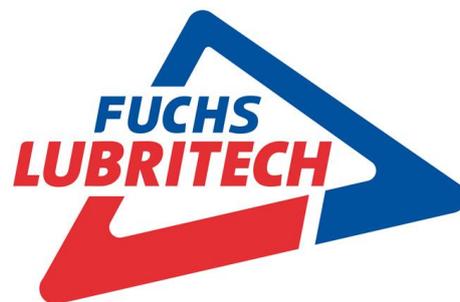
Special protective equipment for fire-fighters: Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures: In case of spills, beware of slippery floors and surfaces.

6.2 Environmental Precautions: Avoid release to the environment. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). Environmental manager must be informed of all major spillages. Do not allow to enter drainage system, surface or ground water.

6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acidbinders, universal binders, sawdust). Dispose of the material collected according to regulations. Stop the flow of material, if this is without risk.



Product name: gleitmo 805 K

6.4 Reference to other sections: See Section 8 of the SDS for Personal Protective Equipment. See Section 7 for information on safe handling See Section 13 for information on disposal.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling: Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Observe good industrial hygiene practices. Provide adequate ventilation.

7.2 Conditions for safe storage, including any incompatibilities: Local regulations concerning handling and storage of waterpolluting products have to be followed. Do not heat up to temperatures close to the flash point.

7.3 Specific end use(s): not applicable

Storage Class: 11, Combustible solids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

None of the components have assigned exposure limits.

8.2 Exposure controls

Appropriate engineering controls:

Provide adequate ventilation. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level.

Individual protection measures, such as personal protective equipment

General information:

Wash hands before breaks and after work. Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment. The usual precautionary measures should be adhered to in handling the chemicals or the mineral oil products.

Eye/face protection:

Safety glasses (EN 166) recommended during refilling.

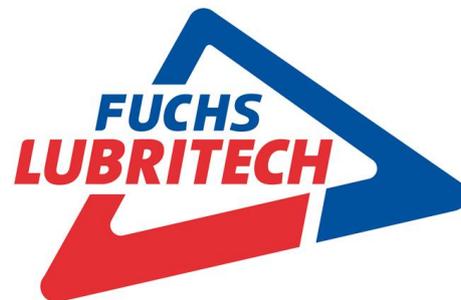
Skin protection

Hand Protection:

Use full-length gloves. Protective gloves, where permitted in acc. to safety directions.

Other:

Do not carry cleaning cloths impregnated with the product in trouser pockets. Wear suitable protective clothing.



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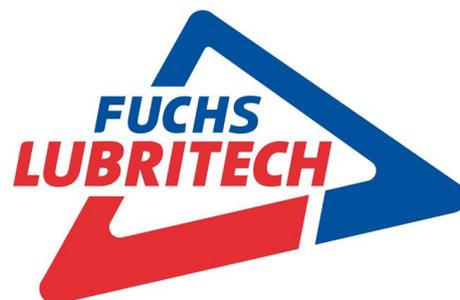
Respiratory Protection:	Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.
Thermal hazards:	Not known.
Hygiene measures:	Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing to remove contaminants. Discard contaminated footwear that cannot be cleaned.
Environmental Controls:	No data available.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance

Physical state:	solid
Form:	Paste
Color:	Light brown
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	not applicable
Melting Point:	Not applicable for mixtures
Boiling Point:	130 °C
Flash Point:	266 °C
Evaporation Rate:	Not applicable for mixtures
Flammability (solid, gas):	Value not relevant for classification
Flammability Limit - Upper (%)–:	Not applicable for mixtures
Flammability Limit - Lower (%)–:	Not applicable for mixtures
Vapor pressure:	Not applicable for mixtures
Vapor density (air=1):	Not applicable for mixtures
Density:	1,10 g/cm ³ (15 °C)
Solubility(ies)	
Solubility in Water:	Insoluble in water
Solubility (other):	No data available.
Partition coefficient (n-octanol/water):	Not applicable for mixtures
Autoignition Temperature:	Value not relevant for classification
Decomposition Temperature:	Value not relevant for classification
Flow time	Value not relevant for classification
Explosive properties:	Value not relevant for classification
Oxidizing properties:	Value not relevant for classification
9.2 Other information	No data available.



Product name: gleitmo 805 K

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Stable under normal use conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Stable under normal use conditions.
10.5 Incompatible Materials:	Strong oxidizing substances. Strong acids. Strong bases.
10.6 Hazardous Decomposition Products:	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapors.

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Lime hydrate	LD 50 (Rat): > 2.001 mg/kg
inorganic Zink salt	LD 50 (Rat): > 2.500 mg/kg
Zn compound	LD 50 (Rat): > 2.001 mg/kg
phenol derivative	LD 50 (Rat): > 2.001 mg/kg (OECD 401)

Dermal

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Lime hydrate	LD 50 (Rabbit): > 2.500 mg/kg
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	LD 50 (Rabbit): > 2.001 mg/kg (OECD 402)

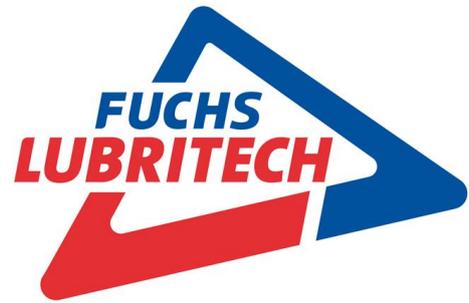
Inhalation

Product:

Not classified for acute toxicity based on available data.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	LC 50 (Rat, 4 h): 5,7 mg/l
phenol derivative	No data available.



Product name: gleitmo 805 K

Repeated dose toxicity

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

Skin Corrosion/Irritation:

Product: OECD 404 (Rabbit):
Not irritant.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	OECD 404 (Rabbit): Not irritant.

Serious Eye Damage/Eye Irritation:

Product: OECD 405 (Rabbit):
Not irritant.

Specified substance(s)

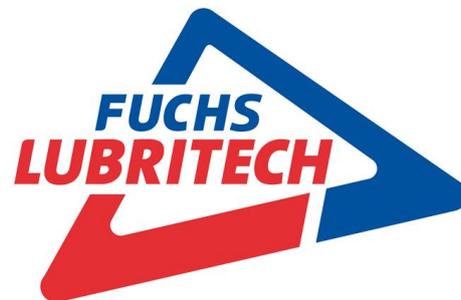
Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	OECD 405 (Rabbit): Not irritant.

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No sensitizing effect (guinea pig); OECD 406



Product name: gleitmo 805 K

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

In vivo

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

Carcinogenicity

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

Reproductive toxicity

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

Specific Target Organ Toxicity - Single Exposure

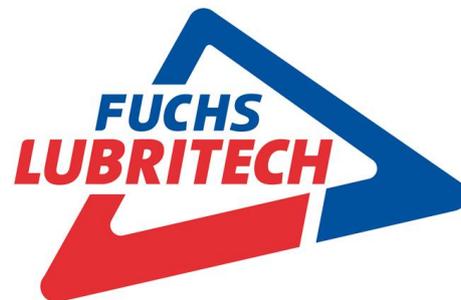
Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.



Product name: gleitmo 805 K

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

Aspiration Hazard

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.
phenol derivative	No data available.

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Lime hydrate	LC 50 (Fish, 96 h): 50,6 mg/l
inorganic Zink salt	No data available.
Zn compound	LC 50 (Fish, 96 h): > 6 mg/l
phenol derivative	LC 50 (Fish, 96 h): > 74 mg/l

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Lime hydrate	EC 50 (Water Flea, 48 h): 49,1 mg/l
inorganic Zink salt	EC 50 (Water Flea, 48 h): 26 mg/l
Zn compound	EC 50 (Water Flea, 48 h): 2,2 mg/l
phenol derivative	EC 50 (Water Flea, 48 h): > 101 mg/l

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Lime hydrate	No data available.
inorganic Zink salt	No data available.
Zn compound	No data available.



Product name: gleitmo 805 K

phenol derivative No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Lime hydrate No data available.
inorganic Zink salt No data available.
Zn compound No data available.
phenol derivative NOEC (Water Flea, 21 d): ≥ 1 mg/l

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Lime hydrate EC 50 (Alga, 72 h): 184,57 mg/l
inorganic Zink salt No data available.
Zn compound EC 50 (Alga, 72 h): 0,17 mg/l
phenol derivative EC 50 (Alga, 72 h): > 3 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Lime hydrate No data available.
inorganic Zink salt No data available.
Zn compound No data available.
phenol derivative No data available.

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Lime hydrate No data available.
inorganic Zink salt No data available.
Zn compound No data available.
phenol derivative No data available.

12.4 Mobility in Soil:

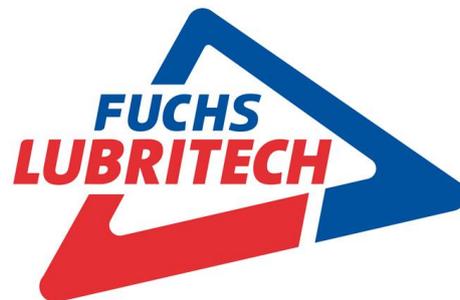
No data available.

Known or predicted distribution to environmental compartments

Lime hydrate No data available.
inorganic Zink salt No data available.
Zn compound No data available.
phenol derivative No data available.

12.5 Results of PBT and vPvB assessment:

The product does not contain any substances fulfilling the PBT/vPvB criteria.



Product name: gleitmo 805 K

12.6 Other Adverse Effects: Harmful to aquatic life with long lasting effects.

Water Hazard Class (WGK): WGK 2: water-endangering.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

General information: Dispose in accordance with all applicable regulations.

Disposal methods: Discharge, treatment, or disposal may be subject to national, state, or local laws.

SECTION 14: Transport information

ADR/RID

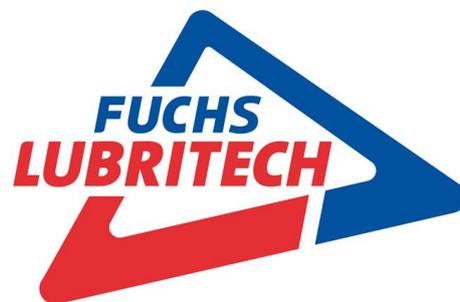
14.1 UN Number: —
14.2 UN Proper Shipping Name: —
14.3 Transport Hazard Class(es)
Class: Non-dangerous goods
Label(s): —
Hazard No. (ADR): —
Tunnel restriction code: —
14.4 Packing Group: —
14.5 Environmental hazards: —
14.6 Special precautions for user: —

ADN

14.1 UN Number: —
14.2 UN Proper Shipping Name: —
14.3 Transport Hazard Class(es)
Class: Non-dangerous goods
Label(s): —
14.3 Packing Group: —
14.5 Environmental hazards: —
14.6 Special precautions for user: —

IMDG

14.1 UN Number: —
14.2 UN Proper Shipping Name: —
14.3 Transport Hazard Class(es)
Class: Non-dangerous goods
Label(s): —
EmS No.: —
14.3 Packing Group: —
14.5 Environmental hazards: —
14.6 Special precautions for user: —



Product name: gleitmo 805 K

IATA

- 14.1 UN Number: –
14.2 Proper Shipping Name: –
14.3 Transport Hazard Class(es):
 Class: Non-dangerous goods
 Label(s): –
14.4 Packing Group: –
14.5 Environmental hazards: –
14.6 Special precautions for user: –

14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: not applicable.

SECTION 15: Regulatory information

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

EU Regulations

Regulation (EC) No. 2037/2000 Substances that deplete the ozone layer: none

Regulation (EC) No. 850/2004 on persistent organic pollutants: none

National Regulations

Local regulations are to be kept

Water Hazard Class (WGK): WGK 2: water-endangering.

15.2 Chemical safety assessment: No Chemical Safety Assessment has been carried out.

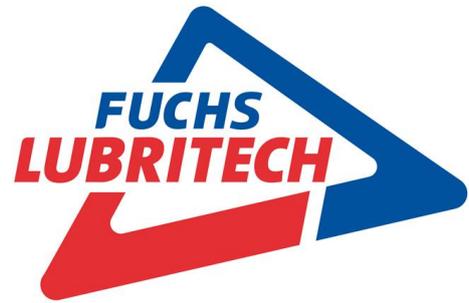
SECTION 16: Other information

Revision Information: Vertical lines in the margin indicate an amendment.

Wording of the H-statements in section 2 and 3

- H315 Causes skin irritation.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.

Other information: The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies. The classification results from the Conventional Method mentioned in regulation EU 1272/2008 (CLP).



Product name: gleitmo 805 K

Revision Date:

06.04.2016

Disclaimer:

The data contained in this safety data sheet are based on our current knowledge and experience and are given to the best of our knowledge and belief. It characterizes the product only with regard to safety requirements for handling, transport and disposal. The data do not describe the product's properties (tech. product specification). Neither should any agreed property nor the suitability of the product for any specific technical application be deduced from the data contained in this safety data sheet. Modifications on this document are not allowed. The data are not transferable to other products. In the case of mixing the product with other products or in the case of processing, the data in this safety data sheet are not necessarily valid for the new-made material. It is the responsibility of the recipient of the product to observe federal, state and local law. Please contact us to obtain up-to-date safety data sheets. This document was issued electronically and has no signature.