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

Product identifier
Name of product    gleitmo 805

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

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
+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. Labelling not necessary on the basis of results of toxical examination.

S-phrases
24/25 Avoid contact with skin and eyes.
61 Avoid release to the environment. Refer to special instructions/safety data sheets.

Other hazards

Information pertaining to special dangers for human and environment
none at appropriate handling and storage

SECTION 3: Composition/ information on ingredients

Mixtures

Hazardous ingredients

<table>
<thead>
<tr>
<th>CAS No</th>
<th>EC No</th>
<th>Name</th>
<th>[% weight]</th>
<th>Classification according to 67/548/EEC</th>
</tr>
</thead>
<tbody>
<tr>
<td>1314-13-2</td>
<td>215-222-5</td>
<td>zinc oxide</td>
<td>&lt; 0,25</td>
<td>N R50-53</td>
</tr>
<tr>
<td>1305-62-0</td>
<td>215-137-3</td>
<td>calcium hydroxide</td>
<td>&lt;= 25</td>
<td>XIR38-41</td>
</tr>
</tbody>
</table>

Description
Grease paste on a mineral-oil base with white solid lubricants

Additional advice
none at appropriate handling and storage
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.
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.

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

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
Alcohol-resistant foam
Dry fire-extinguishing substance
Carbon dioxide
sand
water mist

Extinguishing media which must not be used for safety reasons
water

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
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

Personal precautions, protective equipment and emergency procedures
Ensure adequate ventilation.
Avoid contact with skin and eyes
High risk of slipping due to leakage/spillage of product.

Environmental precautions
Collect contaminated water / firefighting water separately.
Do not discharge into the drains/surface waters/groundwater.
Do not discharge into the subsoil/soil.
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
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
Take the usual precautions when handling with chemicals.
Advice on protection against fire and explosion
The product is combustible.
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.
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.
Information on storage stability
Refer to product information paper.
Storage group 10/11
Fire class B

Specific end use(s)
Recommendation(s) for intended use
see Product information

SECTION 8: Exposure controls/personal protection

Control parameters
Additional advice
As basis for this information served the valid references.
Exposure controls
Respiratory protection
Not necessary with good room ventilation
Hand protection
PVC gloves
Eye protection
tightly fitting goggles, in case of splashing
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.
Follow general rules of industrial hygiene for safe handling of chemical products
At work do not eat, drink and smoke.
Remove soaked clothing immediately.
Keep away from food and drink.
Wash hands 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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Temperature</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>Form</td>
<td>pasty</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Colour</td>
<td>beige</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Odour</td>
<td>hardly noticeable</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Important health, safety and environmental information

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
<th>Temperature</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>pH value in delivery state</td>
<td></td>
<td></td>
<td></td>
<td>not applicable</td>
</tr>
<tr>
<td>Changes in physical state</td>
<td></td>
<td></td>
<td></td>
<td>not determined</td>
</tr>
<tr>
<td>gas</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>drop point</td>
<td>ca. 130 °C</td>
<td></td>
<td>DIN/ISO 2176</td>
<td></td>
</tr>
<tr>
<td>Flash point</td>
<td></td>
<td></td>
<td></td>
<td>not determined</td>
</tr>
<tr>
<td>Autoignition</td>
<td></td>
<td></td>
<td></td>
<td>unknown</td>
</tr>
<tr>
<td>Density</td>
<td>1,1 g/cm3</td>
<td>20 °C</td>
<td>DIN 51757</td>
<td></td>
</tr>
<tr>
<td>Solubility in water</td>
<td>more or less insoluble</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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
Reactions with strong oxidising agents.

Materials to avoid
No information available.

Hazardous decomposition products
thermal decomposition:
Carbon monoxide
Carbon dioxide

Thermal decomposition

Remark
No decomposition below 300° C.

Additional information
All grease components show a very low level of reactivity at room temperature

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity/Irritability/Sensitization

<table>
<thead>
<tr>
<th>Property</th>
<th>Value/Validation</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 acute oral</td>
<td>not determined</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Irritability skin</td>
<td>non-irritant</td>
<td>rabbit</td>
<td>OECD 404</td>
<td></td>
</tr>
</tbody>
</table>
Irritability eye

<table>
<thead>
<tr>
<th>Value/Validation</th>
<th>Species</th>
<th>Method</th>
<th>Remark</th>
</tr>
</thead>
<tbody>
<tr>
<td>non-irritant</td>
<td>rabbit eye</td>
<td>OECD 405</td>
<td></td>
</tr>
</tbody>
</table>

Skin sensitization

- No sensitizing effect known

Experiences made from practice

- no harmful effects at appropriate handling and determined usage

Additional information

- The product has not been tested. The information is derived from products of similar composition.
- 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

<table>
<thead>
<tr>
<th>Value</th>
<th>Species</th>
<th>Method</th>
<th>Validation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fish</td>
<td></td>
<td></td>
<td>not determined</td>
</tr>
</tbody>
</table>

Persistence and degradability

- not determined

Biological degradability

Bioaccumulative potential

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

Mobility in soil

- No information available.

Results of PBT and vPvB assessment

- No information available.

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

Waste treatment methods

<table>
<thead>
<tr>
<th>Waste code No.</th>
<th>Name of waste</th>
</tr>
</thead>
<tbody>
<tr>
<td>12 01 12*</td>
<td>spent waxes and fats</td>
</tr>
</tbody>
</table>

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) 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.
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 1 Mixture-WGK according to VwVwS (GER) preliminary

Chemical Safety Assessment
No information available.

SECTION 16: Other information

Training advice
Use information in this MSDS

Recommended 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.
All the raw materials in this product are listed in TSCA.
All the raw materials in this product are listed in IECSC.
Refer to product information paper.

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 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.