



SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

1 PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifier

Product name: gleitmo 1810 V

Other means of identification: For further information, please refer to section 9 of the SDS.

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

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

US Distributor
Fuchs Lubricants Co.
17050 Lathrop Avenue
Harvey, IL 60426

Telephone: +49 (0) 6301 3206-0
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Contact Person:

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2 HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Health Hazards

Toxic to reproduction Category 2

Specific Target Organ Toxicity - Repeated Exposure Category 2

Environmental Hazards

Acute hazards to the aquatic environment Category 3

Chronic hazards to the aquatic environment Category 3



Product name: gleitmo 1810 V

Hazard summary

Physical Hazards: No data available.

2.2 Label Elements



Signal Words: Warning

Hazard Statement(s): H361: Suspected of damaging fertility or the unborn child.
H373: May cause damage to organs through prolonged or repeated exposure.
H412: Harmful to aquatic life with long lasting effects.

Precautionary Statement

Prevention: P264: Wash thoroughly after handling.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P281: Use personal protective equipment as required.
P260: Do not breathe dust or mists.
P273: Avoid release to the environment.

Response: P308+P313: If exposed or concerned: Get medical advice/attention.

Storage: P405: Store locked up.

Disposal: P501: Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards: The product may not be released into the environment without control. By handling of chemical products no particular hazard is known when normal precautions (item 7) and personal protective equipment (item 8) are kept.



Product name: gleitmo 1810 V

Unknown toxicity: Due to information available product does not contain any ingredients of unknown toxicity.

3 COMPOSITION / INFORMATION ON INGREDIENTS

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

| Chemical name | Identifier | Concentration * | Notes |
|-----------------------|-------------|-----------------|-------|
| Lime hydrate | 1305-62-0 | 1.00 - 5.00% | |
| Traizine derivative | 37640-57-6 | 1.00 - 5.00% | |
| inorganic Zn compound | 138265-88-0 | 1.00 - 5.00% | |
| Zn compound | 1314-13-2 | 0.10 - 1.00% | |

* 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 | Classification |
|-----------------------|---|
| Lime hydrate | 1305-62-0 Eye Dam. 1;H318, STOT SE 3;H335, Skin Irrit. 2;H315 |
| Traizine derivative | 37640-57-6 STOT RE 2;H373 |
| inorganic Zn compound | 138265-88-0 Repr. 2;H361d, Aquatic Acute 1;H400, Aquatic Chronic 2;H411 |
| Zn compound | 1314-13-2 Aquatic Acute 1;H400, Aquatic Chronic 1;H410 |

4 FIRST AID MEASURES

General: Change clothes and shoes contaminated or soaked by the product. Never put rags contaminated by the product into clothing pockets.

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.

Ingestion: Rinse mouth thoroughly.

4.2 Most important symptoms and effects, both acute and delayed: May cause skin and eye irritation.



Product name: gleitmo 1810 V

4.3 Indication of any immediate medical attention and special treatment needed

Get medical attention if symptoms occur.

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| SECTION 5: Firefighting measures |
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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:

No data available.

Special protective equipment for fire-fighters:

Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

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| SECTION 6: Accidental release measures |
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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.

6.3 Methods and material for containment and cleaning up:

Scrape up spillage or absorb with absorbing material. Dispose of the material collected according to regulations.

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.



Product name: gleitmo 1810 V

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Provide adequate ventilation. Observe good industrial hygiene practices. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products.
- 7.2 Conditions for safe storage, including any incompatibilities:** Local regulations concerning handling and storage of waterpolluting products have to be followed.
- 7.3 Specific end use(s):** not applicable

8 EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1.Exposure Limits

None of the components have assigned exposure limits.

8.2.Exposure controls

Appropriate engineering controls: Good general ventilation (typically 10 air changes per hour) should be used. 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.



Product name: gleitmo 1810 V

Skin protection

Hand Protection:

Material: Nitrile butyl rubber (NBR).
Avoid long-term and repeated skin contact. Suitable gloves can be recommended by the glove supplier. Use skin protection cream for preventive skin protection. Protective gloves, where permitted in acc. to safety directions. The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Other:

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

Respiratory Protection:

Not relevant, due to the form of the product.

Thermal hazards:

No data available.

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.

9 PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

| | |
|---|---------------------------------------|
| 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: | not applicable |
| Flash Point: | not applicable |
| 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: | 1.00 g/cm ³ (15 °C) |



Product name: gleitmo 1810 V

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.

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| SECTION 10: Stability and reactivity |
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10.1 Reactivity: Stable under normal temperature conditions and recommended use.

10.2 Chemical Stability: No data available.

10.3 Possibility of hazardous reactions: None under normal conditions.

10.4 Conditions to avoid: Avoid heat or contamination.

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.

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| 11 TOXICOLOGICAL INFORMATION |
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Information on likely routes of exposure

Inhalation: No data available.

Ingestion: No data available.

Skin Contact: No data available.

Eye contact: No data available.



Product name: gleitmo 1810 V

Acute toxicity

Oral

| | |
|-------------------------------|----------------------------|
| Product: | ATEmix: 27,156.14 mg/kg |
| Specified substance(s) | |
| Lime hydrate | LD 50 (Rat): > 2,001 mg/kg |
| Traizine derivative | LD 50 (Rat): > 3,000 mg/kg |
| Zn compound | LD 50 (Rat): > 2,001 mg/kg |

Dermal

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|-------------------------------|-------------------------------|
| Product: | ATEmix: 48,076.92 mg/kg |
| Specified substance(s) | |
| Lime hydrate | LD 50 (Rabbit): > 2,500 mg/kg |

Inhalation

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| Product: | Not classified for acute toxicity based on available data. |
| Specified substance(s) | |
| Zn compound | LC 50 (Rat, 4 h): 5.7 mg/l |

Skin Corrosion/Irritation:

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|-----------------|---|
| Product: | Not irritant. Based on available data, the classification criteria are not met. |
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Serious Eye Damage/Eye Irritation:

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| Product: | Not irritant. Based on available data, the classification criteria are not met. |
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Respiratory or Skin Sensitization:

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| Product: | Skin sensitizer: Based on available data, the classification criteria are not met. Respiratory sensitizer: Based on available data, the classification criteria are not met. |
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Germ Cell Mutagenicity

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| Product: | Based on available data, the classification criteria are not met. |
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Carcinogenicity

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| Product: | Based on available data, the classification criteria are not met. |
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Product name: gleitmo 1810 V

IARC: IARC Monographs on the Evaluation of Carcinogenic Risks to Humans:

No carcinogenic components identified

NTP: US. National Toxicology Program (NTP) Report on Carcinogens:

No carcinogenic components identified

OSHAS: US. OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):

No carcinogenic components identified

Reproductive toxicity

Product: Based on available data, the classification criteria are met.

Specific Target Organ Toxicity - Single Exposure

Product: Based on available data, the classification criteria are not met.

Specific Target Organ Toxicity - Repeated Exposure

Product: Based on available data, the classification criteria are met.

Aspiration Hazard

Product: Based on available data, the classification criteria are not met.

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| 12 ECOLOGICAL INFORMATION |
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12.1 Toxicity

Acute toxicity

Product: Based on available data, the classification criteria are met.

Fish

Specified substance(s)

Lime hydrate LC 50 (Fish, 96 h): 50.6 mg/l

Zn compound LC 50 (Fish, 96 h): > 6 mg/l

Aquatic Invertebrates

Specified substance(s)

Lime hydrate EC 50 (Water Flea, 48 h): 49.1 mg/l

Zn compound EC 50 (Water Flea, 48 h): 2.2 mg/l

Chronic ToxicityProduct: Based on available data, the classification criteria are met.



Product name: gleitmo 1810 V

Toxicity to Aquatic Plants

Specified substance(s)

Lime hydrate EC 50 (Alga, 72 h): 184.57 mg/l

Zn compound EC 50 (Alga, 72 h): 0.17 mg/l

12.2 Persistence and Degradability

Biodegradation

Product: Not applicable for mixtures

12.3 Bioaccumulative Potential

Product: Not applicable for mixtures

12.4 Mobility in Soil:

Product: Not applicable for mixtures

12.5 Results of PBT and vPvB assessment:

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

12.6 Other Adverse Effects:

Harmful to aquatic life with long lasting effects.

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| 13 Disposal considerations |
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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.

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| 14 TRANSPORT INFORMATION |
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DOT

Not regulated.

IMDG - International Maritime Dangerous Goods Code

Not regulated.

IATA

Not regulated.



Product name: gleitmo 1810 V

15 REGULATORY INFORMATION

US Federal Regulations

Inventory Status

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| TSCA | On or in compliance with the inventory |
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16 OTHER INFORMATION

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

Wording of the R-phrases and H-statements in section 2 and 3

| | |
|-------|--|
| H315 | Causes skin irritation. |
| H318 | Causes serious eye damage. |
| H335 | May cause respiratory irritation. |
| H361 | Suspected of damaging fertility or the unborn child. |
| H361d | Suspected of damaging the unborn child. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| 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. |

Training information: Follow training instructions when handling this material.

Revision Date: 13.09.2016

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.