

## SAFETY DATA SHEET

acc.to ISO/DIS 11014 for USA

### 1 PRODUCT AND COMPANY IDENTIFICATION

#### 1.1 Product identifier

**Product name:** GLEITMO SFL 9025

**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 / Supplier** FUCHS LUBRICANTS GERMANY GmbH  
Friesenheimer Str. 19  
68169 Mannheim  
Telephone: +49 621 3701-0 (ZENTRALE)  
Fax: +49 621 3701-570

#### Contact for request of safety data sheets

E-mail: Automotive lubricants CS.Services-FLG@fuchs.com  
Industrial lubricants  
Telephone: +49 621 3701-0 (ZENTRALE)

#### Informing department for safety data sheets

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

E-mail: produktsicherheit-FLG@fuchs.com

**1.4 US contact telephone :** 708-333-8900  
**Emergency telephone:** 800-255-3924

### 2 HAZARDS IDENTIFICATION

#### 2.1 Classification of the substance or mixture

The product has been classified and labelled as hazardous according to the legislation in force.

##### Health Hazards

Skin sensitizer Category 1

##### Hazard summary

**Physical Hazards:** No data available.

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## 2.2 Label Elements



**Signal Words:** Warning

**Hazard Statement(s):** H317: May cause an allergic skin reaction.

### Precautionary Statements

**Prevention:** P280: Wear protective gloves/protective clothing/eye protection/face protection.

**Response:** P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

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

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

## 3 COMPOSITION / INFORMATION ON INGREDIENTS

### 3.2 Mixtures

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

Chemical name	Identifier	Concentration *	Notes
aminosilane derivative	919-30-2	0.10 - <1.00%	
Ethoxylated amine	61791-26-2	0.10 - <1.00%	
Butylalcohol	71-36-3	0.10 - <1.00%	
Isothiazolone derivative	2682-20-4	0.00 - <0.01%	

\* 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.

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**Classification**

Chemical name	Identifier	Classification
aminosilane derivative	919-30-2	Skin Corr. 1B;H314, Acute Tox. 4;H302, Skin Sens. 1;H317
Ethoxylated amine	61791-26-2	Acute Tox. 4;H302, Eye Dam. 1;H318, Skin Irrit. 2;H315, Aquatic Acute 1;H400
Butylalcohol	71-36-3	Eye Dam. 1;H318, Flam. Liq. 3;H226, Acute Tox. 4;H302, STOT SE 3;H336, Skin Irrit. 2;H315
Isothiazolone derivative	2682-20-4	Acute Tox. 2;H330, Acute Tox. 3;H311, Acute Tox. 3;H301, Skin Corr. 1B;H314, Eye Dam. 1;H318, Skin Sens. 1A;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410; M-Factor (aquatic acute): 10; M-Factor (aquatic chronic): 1

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**4 FIRST AID MEASURES**


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**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. Destroy or thoroughly clean contaminated shoes. Immediately remove contaminated clothing and shoes and wash skin with soap and plenty of water. If skin irritation or an allergic skin reaction develops, get medical attention.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** Suspected to cause hypersensitivity and allergy.

**4.3 Indication of any immediate medical attention and special treatment needed** Symptoms may be delayed.

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**SECTION 5: Firefighting measures**


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**General Fire Hazards:** None (non-combustible). Use fire fighting measures that suit the environment.

**5.1 Extinguishing media**

**Suitable extinguishing media:** CO<sub>2</sub>, 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.

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| <b>5.2 Special hazards arising from the substance or mixture:</b> | During fire, gases hazardous to health may be formed.                                      |
| <b>5.3 Advice for firefighters</b>                                |  |
| <b>Special fire-fighting procedures:</b>                          | Generally this product is not burnable on account of its water content.                    |
| <b>Special protective equipment for fire-fighters:</b>            | Use standard firefighting procedures and consider the hazards of other involved materials. |

## SECTION 6: Accidental release measures

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| <b>6.1 Personal precautions, protective equipment and emergency procedures:</b> | In case of spills, beware of slippery floors and surfaces.   |
| <b>6.2 Environmental Precautions:</b>   | Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. Environmental manager must be informed of all major spillages. Prevent further leakage or spillage if safe to do so. Do not allow to enter drainage system, surface or ground water. |
| <b>6.3 Methods and material for containment and cleaning up:</b>                | 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.  |
| <b>6.4 Reference to other sections:</b>   | 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:

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| <b>7.1 Precautions for safe handling:</b>                                | 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. |
| <b>7.2 Conditions for safe storage, including any incompatibilities:</b> | Local regulations concerning handling and storage of waterpolluting products have to be followed.  |
| <b>7.3 Specific end use(s):</b>  | Not applicable   |

## 8 EXPOSURE CONTROLS / PERSONAL PROTECTION

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**8.1.Exposure Limits**

Chemical name	Type	Exposure Limit Values		Source
Dipropylene glycol methyl ether, mixed isomers	PEL	100 ppm	600 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Dipropylene glycol methyl ether, mixed isomers	TWA	100 ppm	600 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Dipropylene glycol methyl ether, mixed isomers	STEL	150 ppm	900 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Dipropylene glycol methyl ether, mixed isomers	TWA	100 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)
Dipropylene glycol methyl ether, mixed isomers	STEL	150 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)
Butylalcohol	PEL	100 ppm	300 mg/m <sup>3</sup>	US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000), as amended (02 2006)
Butylalcohol	Ceiling	50 ppm	150 mg/m <sup>3</sup>	US. OSHA Table Z-1-A (29 CFR 1910.1000), as amended (1989)
Butylalcohol	TWA	20 ppm		US. ACGIH Threshold Limit Values, as amended (02 2012)

**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:**

Avoid contact with skin and eyes. Goggles/face shield are recommended. If risk of splashing, wear safety goggles or face shield.

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**Skin protection****Hand Protection:**

Material: Nitrile butyl rubber (NBR).  
Min. Breakthrough time:  $\geq 480$  min  
Recommended thickness of the material:  $\geq 0.38$  mm

Avoid long-term and repeated skin contact. Protective gloves, where permitted in acc. to safety directions. 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:**

Ensure good ventilation/exhaustion at the workplace. Avoid breathing vapour/ aerosol.

**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.

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**9 PHYSICAL AND CHEMICAL PROPERTIES**

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**9.1 Information on basic physical and chemical properties**

<b>Physical state:</b>	liquid
<b>Form:</b>	liquid
<b>Color:</b>	Black
<b>Odor:</b>	Characteristic
<b>Odor Threshold:</b>	Not applicable for mixtures
<b>pH:</b>	7.0
<b>Freezing point:</b>	Not applicable for mixtures
<b>Boiling Point:</b>	100 °C
<b>Flash Point:</b>	Not applicable
<b>Evaporation Rate:</b>	Not applicable for mixtures
<b>Flammability (solid, gas):</b>	Value not relevant for classification
<b>Flammability Limit - Upper (%):</b>	Not applicable for mixtures
<b>Flammability Limit - Lower (%):</b>	Not applicable for mixtures
<b>Vapor pressure:</b>	Not applicable for mixtures
<b>Relative vapor density:</b>	Not applicable for mixtures
<b>Density:</b>	1.00 g/cm <sup>3</sup> (15 °C)
<b>Solubility(ies)</b>	
<b>Solubility in Water:</b>	Soluble

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<b>Solubility (other):</b>	No data available.
<b>Partition coefficient (n-octanol/water):</b>	Not applicable for mixtures
<b>Auto-ignition temperature:</b>	Value not relevant for classification
<b>Decomposition Temperature:</b>	Value not relevant for classification
<b>Flow time:</b>	Value not relevant for classification
<b>Explosive properties:</b>	Value not relevant for classification
<b>Oxidizing properties:</b>	Value not relevant for classification
<b>9.2 Other information</b>	No data available.

**SECTION 10: Stability and reactivity**

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

**11 TOXICOLOGICAL INFORMATION****Information on likely routes of exposure**

<b>Inhalation:</b>	No data available.
<b>Ingestion:</b>	No data available.
<b>Skin Contact:</b>	May cause an allergic skin reaction.
<b>Eye contact:</b>	No data available.

**Acute toxicity****Oral**

<b>Product:</b>	Not classified for acute toxicity based on available data.
<b>Specified substance(s)</b>	
aminosilane derivative	LD 50 (Rat): 1,490 mg/kg
Ethoxylated amine	LD 50 (Rat): 301 - 2,000 mg/kg
Butylalcohol	LD 50 (Rat): 790 mg/kg

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**Dermal****Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

aminosilane derivative

LD 50 (Rabbit): 4,076 mg/kg

Butylalcohol

LD 50 (Rabbit): 3,400 mg/kg

**Inhalation****Product:**

Not classified for acute toxicity based on available data.

**Specified substance(s)**

Butylalcohol

LC 50 (Rat, 4 h): 8,000 mg/l

**Skin Corrosion/Irritation:****Product:**

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

**Serious Eye Damage/Eye Irritation:****Product:**

Splashes may irritate.

**Respiratory or Skin Sensitization:****Product:**

Skin sensitizer: Based on available data, the classification criteria are met.  
Respiratory sensitizer: Based on available data, the classification criteria are not met.

**Specified substance(s)**

Isothiazolone derivative

, OECD 429 (Mouse)sensitizing

**Germ Cell Mutagenicity****Product:**

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

**Carcinogenicity****Product:**

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

**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

**OSHA: 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 not met.

**Specific Target Organ Toxicity - Single Exposure****Product:**

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



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**Specific Target Organ Toxicity - Repeated Exposure****Product:** Based on available data, the classification criteria are not met.**Aspiration Hazard****Product:** Based on available data, the classification criteria are not met.

<b>12 ECOLOGICAL INFORMATION</b>
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**12.1 Toxicity****Acute toxicity****Product:** Based on available data, the classification criteria are not met.**Fish****Specified substance(s)**

aminosilane derivative LC 50 (Fish, 96 h): &gt; 934 mg/l (OECD 203)

Ethoxylated amine LC 50 (Fish, 96 h): 0.13 mg/l

**Aquatic Invertebrates****Specified substance(s)**

aminosilane derivative EC 50 (Water Flea, 48 h): 331 mg/l (OECD 202)

Ethoxylated amine EC 50 (Water Flea, 48 h): 0.17 mg/l

**Chronic ToxicityProduct:** Based on available data, the classification criteria are not met.**Toxicity to Aquatic Plants****Specified substance(s)**

aminosilane derivative NOEC (Alga, 72 h): 1.3 mg/l (OECD 201)

**12.2 Persistence and Degradability****Biodegradation****Product:** Not applicable for mixtures**Specified substance(s)**

aminosilane derivative 67 % (28 d)

Ethoxylated amine &gt; 60 % (OECD 301B)

Isothiazolone derivative Not readily degradable.

**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:**

No data available.

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## 13 Disposal considerations

### 13.1 Waste treatment methods

**General information:** Dispose in accordance with all applicable regulations.

**Disposal methods:** Do not empty into drains; dispose of this material and its container in a safe way. When storing used products, ensure that the waste categories and mixing instructions are observed.

## 14 TRANSPORT INFORMATION

### DOT

Not Regulated.

### TDG

Not Regulated.

### IMDG - International Maritime Dangerous Goods Code

Not Regulated.

### IATA

Not Regulated.

Protect from freezing and direct sunlight.

## 15 REGULATORY INFORMATION

### US Federal Regulations

### US State Regulations

### Inventory Status

TSCA	On or in compliance with the inventory
DSL	Not in compliance with the inventory.
NDSL	Not in compliance with the inventory.

## 16 OTHER INFORMATION

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

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**Product name:** GLEITMO SFL 9025

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**Wording of the H-statements in section 2 and 3**

H226	Flammable liquid and vapor.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H330	Fatal if inhaled.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.

**Revision Date:** 30.08.2023

**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.