

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 625

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	<u>US Distributor</u> Fuchs Lubricants Co. 17050 Lathrop Avenue Harvey, IL 60426 (708) 333-8900 (800) 255-3924 (24 hrs Emergency)
Telephone:	+49 (0) 6301 3206-0	
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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.

Physical Hazards

Flammable liquids	Category 3	H226: Flammable liquid and vapor.
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Health Hazards

Serious eye irritation	Category 2	H319: Causes serious eye irritation.
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Hazard summary

Physical Hazards: No data available.

2.2 Label Elements

Product name: gleitmo 625



Signal Words: Warning

Hazard Statement(s): H226: Flammable liquid and vapor.
H319: Causes serious eye irritation.

Precautionary Statement

Prevention: P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P262: Do not get in eyes, on skin, or on clothing.

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.

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
Isopropyl alcohol	EINECS: 200-661-7	10,00 - <20,00%	01-2119457558-25	
trisiloxane , polyethermodified	EC: 608-078-3	1,00 - <2,50%		

* 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
Isopropyl alcohol	EINECS: 200-661-7	CLP: Flam. Liq. 2;H225, Eye Irrit. 2;H319, STOT SE 3;H336
trisiloxane , polyethermodified	EC: 608-078-3	CLP: Acute Tox. 4;H302, Acute Tox. 4;H332, Eye Irrit. 2;H319, Aquatic Chronic 2;H411

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

Product name: gleitmo 625

Inhalation:	Supply fresh air; consult doctor in case of symptoms.
Eye contact:	Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.
Skin Contact:	Get medical attention if symptoms occur. Take off immediately all contaminated clothing. Rinse skin with water/shower.
Ingestion:	Rinse mouth thoroughly.
4.2 Most important symptoms and effects, both acute and delayed:	Causes serious eye irritation.
4.3 Indication of any immediate medical attention and special treatment needed	Get medical attention if symptoms occur.

SECTION 5: Firefighting measures

General Fire Hazards:	Use water spray to keep fire-exposed containers cool. Water may be ineffective in fighting the fire. Fight fire from a protected location. Move containers from fire area if you can do so without risk.
5.1 Extinguishing media	
Suitable extinguishing media:	CO ₂ , 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:	Avoid water in straight hose stream; will scatter and spread fire.
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:	Firefighters must use standard protective equipment including flame retardant coat, helmet with face shield, gloves, rubber boots, and in enclosed spaces, SCBA.

Product name: gleitmo 625

SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures:** Ventilate closed spaces before entering them. ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area). Keep upwind. In case of spills, beware of slippery floors and surfaces. Keep away from sources of ignition - No smoking.
- 6.2 Environmental Precautions:** Do not contaminate water sources or sewer. Prevent further leakage or spillage if safe to do so. Prevent from spreading (e.g. by binding or oil barriers). Avoid release to the environment. 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.
- 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.
- Dike for later disposal. Prevent entry into waterways, sewer, basements or confined areas. Stop the flow of material, if this is without risk.

SECTION 7: Handling and storage:

- 7.1 Precautions for safe handling:** Avoid contact with eyes. Wash hands thoroughly after handling. Do not eat, drink or smoke when working with the product. Take usual precautions when handling mineral oil products or chemical products. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground and bond container and receiving equipment. Take precautionary measures against static discharges. Prevent formation of aerosols. Observe good industrial hygiene practices. Provide adequate ventilation.
- 7.2 Conditions for safe storage, including any incompatibilities:** Store in a well-ventilated place. Store in a cool place. Local regulations concerning handling and storage of waterpolluting products have to be followed.
- 7.3 Specific end use(s):** not applicable

Storage Class: 10, Combustible liquids

SECTION 8: Exposure controls/personal protection

8.1 Control Parameters

Occupational Exposure Limits

Chemical name	type	Exposure Limit Values	Source
Isopropyl alcohol	TWA	400 ppm 999 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

Product name: gleitmo 625

Isopropyl alcohol	STEL	500 ppm 1.250 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
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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. Wear tight-fitting goggles or face shield.

Skin protection

Hand Protection:

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

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:

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:

liquid

Form:

highly viscous

Color:

No data available.

Odor:

Characteristic

Product name: gleitmo 625

Odor Threshold:	Not applicable for mixtures
pH:	> 5,0
Freezing point:	Not applicable for mixtures
Boiling Point:	100 °C
Flash Point:	25 °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:	1,00 g/cm ³ (15 °C)
Solubility(ies)	
Solubility in Water:	Soluble
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.

SECTION 10: Stability and reactivity

10.1 Reactivity:	Stable under normal use conditions.
10.2 Chemical Stability:	Material is stable under normal conditions.
10.3 Possibility of hazardous reactions:	Stable under normal use conditions.
10.4 Conditions to avoid:	Heat, sparks, flames.
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

Information on likely routes of exposure

Inhalation:	No data available.
Ingestion:	No data available.
Skin Contact:	No data available.

Product name: gleitmo 625

Eye contact: Causes eye irritation.

11.1 Information on toxicological effects

Acute toxicity

Oral

Product:	ATEmix: 33.500,84 mg/kg
Specified substance(s)	
Isopropyl alcohol	LD 50 (Rat): 4.570 mg/kg
trisiloxane ,	No data available.
polyethermodified	

Dermal

Product:	Not classified for acute toxicity based on available data.
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Specified substance(s)	
Isopropyl alcohol	LD 50 (Rabbit): 13.400 mg/kg
trisiloxane ,	No data available.
polyethermodified	

Inhalation

Product:	Not classified for acute toxicity based on available data.
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Specified substance(s)	
Isopropyl alcohol	LC 50 (Rat, 4 h): 30 mg/l
trisiloxane ,	No data available.
polyethermodified	

Repeated dose toxicity

Product:	No data available.
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Specified substance(s)	
Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Skin Corrosion/Irritation:

Product:	No data available.
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Specified substance(s)	
Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Serious Eye Damage/Eye Irritation:

Product:	No data available.
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Product name: gleitmo 625

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Respiratory or Skin Sensitization:

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Germ Cell Mutagenicity

In vitro

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

In vivo

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Carcinogenicity

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Reproductive toxicity

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Specific Target Organ Toxicity - Single Exposure

Product: No data available.

Product name: gleitmo 625

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Specific Target Organ Toxicity - Repeated Exposure

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Aspiration Hazard

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Other Adverse Effects: No data available.

SECTION 12: Ecological information

12.1 Toxicity

Acute toxicity

Fish

Product: No data available.

Specified substance(s)

Isopropyl alcohol	LC 50 (Fish, 96 h): 9.640 mg/l
trisiloxane ,	No data available.
polyethermodified	

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
trisiloxane ,	No data available.
polyethermodified	

Chronic Toxicity

Fish

Product: No data available.

Specified substance(s)

Isopropyl alcohol	No data available.
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Product name: gleitmo 625

trisiloxane ,
polyethermodified No data available.

Aquatic Invertebrates

Product: No data available.

Specified substance(s)

Isopropyl alcohol No data available.
trisiloxane , No data available.
polyethermodified

Toxicity to Aquatic Plants

Product: No data available.

Specified substance(s)

Isopropyl alcohol No data available.
trisiloxane , No data available.
polyethermodified

12.2 Persistence and Degradability

Biodegradation

Product: No data available.

Specified substance(s)

Isopropyl alcohol No data available.
trisiloxane , No data available.
polyethermodified

12.3 Bioaccumulative Potential

Product: No data available.

Specified substance(s)

Isopropyl alcohol No data available.
trisiloxane , No data available.
polyethermodified

12.4 Mobility in Soil: No data available.

Known or predicted distribution to environmental compartments

Isopropyl alcohol No data available.
trisiloxane , No data available.
polyethermodified

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.

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

Product name: gleitmo 625

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:	UN 1993
14.2 UN Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.(isopropanole)
14.3 Transport Hazard Class(es)	
Class:	3
Label(s):	3
Hazard No. (ADR):	30
Tunnel restriction code:	(D/E)
14.4 Packing Group:	III
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

IMDG

14.1 UN Number:	UN 1993
14.2 UN Proper Shipping Name:	FLAMMABLE LIQUID, N.O.S.(isopropanole)
14.3 Transport Hazard Class(es)	
Class:	3
Label(s):	3
EmS No.:	F-E, S-E
14.3 Packing Group:	III
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

IATA

14.1 UN Number:	UN 1993
14.2 Proper Shipping Name:	Flammable liquid, n.o.s.(isopropanole)
14.3 Transport Hazard Class(es):	
Class:	3
Label(s):	3
14.4 Packing Group:	III
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

Product name: gleitmo 625

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

H225	Highly flammable liquid and vapor.
H226	Flammable liquid and vapor.
H302	Harmful if swallowed.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H336	May cause drowsiness or dizziness.
H411	Toxic to aquatic life with long lasting effects.

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).

Revision Date: 12.04.2016

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.