

## 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 HMP 8420

#### 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

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+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.**

**Health Hazards**

Serious eye damage

Category 1

H318: Causes serious eye damage.

**Hazard summary**

**Physical Hazards:**

No data available.

#### 2.2 Label Elements

**Contains:**

Fatty alcohol, ethoxylated



**Product name:** gleitmo HMP 8420



**Signal Words:** Danger

**Hazard Statement(s):** H318: Causes serious eye damage.

**Precautionary Statement**

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

**Response:** P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310: Immediately call a POISON CENTER/doctor/...

**Supplemental label information**

EUH208: Contains Isothiazolinone derivative. May produce an allergic reaction.

**2.3 Other hazards:** By handling of mineral oil products and 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.

**SECTION 3: Composition/information on ingredients**

**3.2 Mixtures**

**General information:**

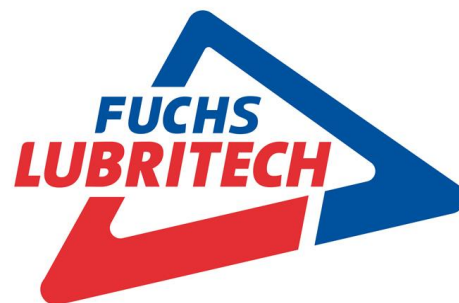
Chemical name	Identifier	Concentration *	REACH Registration No.	Notes
Fatty alcohol, ethoxylated	EC: 612-519-5	3,00 - <5,00%		
Pyrrolidinone derivative	EINECS: 212-828-1	1,00 - <5,00%	01-2119472430-46	**

\* 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.

\*\* Regulation (EC) No. 1907/2006, REACH Article 59(1). Candidate List



**Product name:** gleitmo HMP 8420

#### Classification

Chemical name	Identifier	Classification
Fatty alcohol, ethoxylated	EC: 612-519-5	CLP: Acute Tox. 4;H302, Eye Dam. 1;H318
Pyrrolidinone derivative	EINECS: 212-828-1	CLP: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Repr. 1B;H360D, STOT SE 3;H335

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:** Immediately flush with plenty of water for at least 15 minutes. If easy to do, remove contact lenses. Get medical attention.

**Skin Contact:** Wash with soap and water.

**Ingestion:** Rinse mouth thoroughly.

**4.2 Most important symptoms and effects, both acute and delayed:** Risk of serious damage to eyes.

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

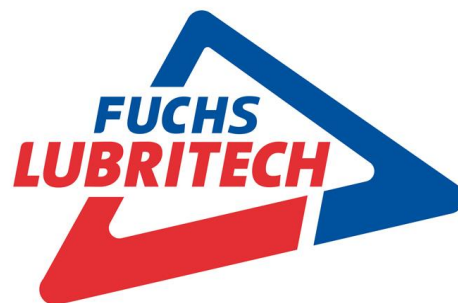
##### 5.1 Extinguishing media

**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.

**5.2 Special hazards arising from the substance or mixture:** No data available.

##### 5.3 Advice for firefighters



**Product name:** gleitmo HMP 8420

**Special fire fighting procedures:** Generally this product is not burnable on account of its water content.

**Special protective equipment for fire-fighters:** Use standard firefighting procedures and consider the hazards of other involved materials.

#### 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:** 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.

**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:** Prevent formation of aerosols. 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.

**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
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**Product name:** gleitmo HMP 8420

Pyrrolidinone derivative	STEL	20 ppm	80 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
Pyrrolidinone derivative	TWA	10 ppm	40 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
tert. Alkyl amine	TWA	2 ppm	8 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)
tert. Alkyl amine	STEL	4 ppm	17 mg/m3	UK. EH40 Workplace Exposure Limits (WELs) (12 2011)

## 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. Avoid contact with eyes. Wear closed protection glasses.

#### 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:

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

#### Thermal hazards:

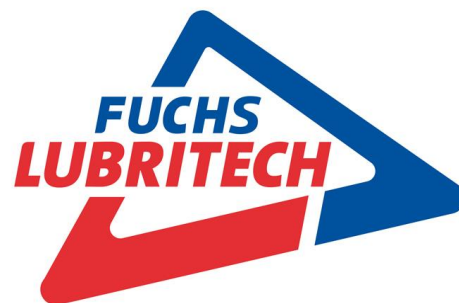
Not known.

#### 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.



Product name: gleitmo HMP 8420

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

#### Appearance

Physical state:	liquid
Form:	liquid
Color:	No data available.
Odor:	Characteristic
Odor Threshold:	Not applicable for mixtures
pH:	> 8,5
Freezing point:	Not applicable for mixtures
Boiling Point:	100 °C
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 <sup>3</sup> (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:	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.



**Product name:** gleitmo HMP 8420

**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.

**Eye contact:** Causes serious eye damage.

### 11.1 Information on toxicological effects

#### Acute toxicity

##### Oral

**Product:** ATEmix: 14.473,46 mg/kg

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative LD 50 (Rat): 3.600 mg/kg

##### Dermal

**Product:** ATEmix: 131.521,26 mg/kg

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative LD 50 (Rabbit): 8.000 mg/kg

##### Inhalation

**Product:** ATEmix: 4.671,05 mg/l  
Vapour

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative No data available.

#### Repeated dose toxicity

**Product:** No data available.

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative No data available.

#### Skin Corrosion/Irritation:

**Product:** Prolonged or repeated contact may cause irritation.



**Product name:** gleitmo HMP 8420

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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Serious Eye Damage/Eye Irritation:**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Respiratory or Skin Sensitization:**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Germ Cell Mutagenicity**

**In vitro**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**In vivo**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Carcinogenicity**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Reproductive toxicity**

<b>Product:</b>	No data available.
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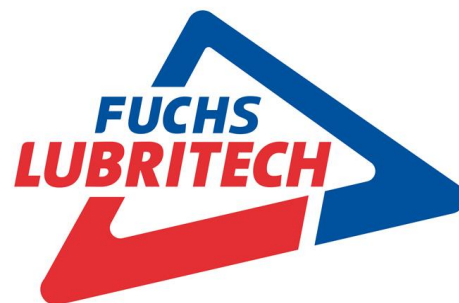
**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Specific Target Organ Toxicity - Single Exposure**

<b>Product:</b>	No data available.
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**Product name:** gleitmo HMP 8420

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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Specific Target Organ Toxicity - Repeated Exposure**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Aspiration Hazard**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

<b>Other Adverse Effects:</b>	No data available.
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<b>SECTION 12: Ecological information</b>
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**12.1 Toxicity**

**Acute toxicity**

**Fish**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Aquatic Invertebrates**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.

**Chronic Toxicity**

**Fish**

<b>Product:</b>	No data available.
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**Specified substance(s)**

Fatty alcohol, ethoxylated	No data available.
Pyrrolidinone derivative	No data available.



**Product name:** gleitmo HMP 8420

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**Aquatic Invertebrates**

**Product:** No data available.

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative No data available.

**Toxicity to Aquatic Plants**

**Product:** No data available.

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative No data available.

**12.2 Persistence and Degradability**

**Biodegradation**

**Product:** No data available.

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative No data available.

**12.3 Bioaccumulative Potential**

**Product:** No data available.

**Specified substance(s)**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative No data available.

**12.4 Mobility in Soil:** No data available.

**Known or predicted distribution to environmental compartments**

Fatty alcohol, ethoxylated No data available.

Pyrrolidinone derivative No data available.

**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 HMP 8420

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

<b>General information:</b>	Dispose in accordance with all applicable regulations.
<b>Disposal methods:</b>	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.

## SECTION 14: Transport information

### ADR/RID

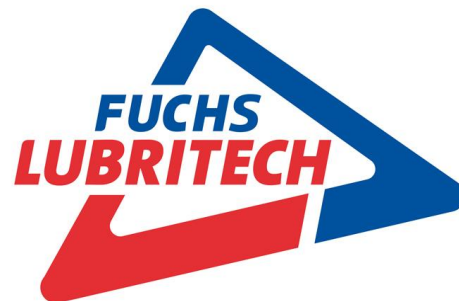
14.1 UN Number:	—
14.2 UN Proper Shipping Name:	—
14.3 Transport Hazard Class(es)	
Class:	Non-dangerous goods
Label(s):	—
Hazard No. (ADR):	—
Tunnel restriction code:	—
14.4 Packing Group:	—
14.5 Environmental hazards:	—
14.6 Special precautions for user:	—

### 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 HMP 8420

#### **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

**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**

- |       |                                   |
|-------|-----------------------------------|
| H302  | Harmful if swallowed.             |
| H315  | Causes skin irritation.           |
| H318  | Causes serious eye damage.        |
| H319  | Causes serious eye irritation.    |
| H335  | May cause respiratory irritation. |
| H360D | May damage the unborn child.      |

**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:** 19.02.2016



**Product name:** gleitmo HMP 8420

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**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.