

## SYNTHESO GLEP 1

Version 2.7

Revision Date 25.08.2021

Print Date 25.08.2021

### 1. Identification of the substance/mixture and of the company/undertaking

#### Product information

Product name : SYNTHESO GLEP 1

Article-No. : 012142

Use of the Substance/Mixture : Grease

Company : Klüber Lubrication München  
Geisenhausenerstr. 7  
81379 München  
Deutschland  
Tel: +49 (0) 89 7876 0  
Fax: +49 (0) 89 7876 333  
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E-mail address : mcm@klueber.com  
Material Compliance Management

National contact : KLUEBER LUBRICATION OOO  
Prosp. Andropova 18, bldg. 6, office 5-12  
115432 Moscow  
Russian Federation  
Tel.: +7 (499) 418 00 33  
Fax: +7 (499) 418 00 34  
sales@ru.klueber.com

Emergency telephone number : +49 89 7876 700 (24 hrs)

### 2. Hazards identification

#### GHS Classification

: Skin sensitisation, Category 1

#### GHS-Labeling

Symbol(s) :



Signal word :

Warning

Hazard statements :

H317: May cause an allergic skin reaction.

Precautionary statements :

**Prevention:**  
P272 Contaminated work clothing should not be allowed out

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of the workplace.

P280 Wear protective gloves.

**Response:**

P302 + P352 IF ON SKIN: Wash with plenty of water.

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

P362 + P364 Take off contaminated clothing and wash it before reuse.

### 3. Composition/information on ingredients

Chemical nature : polyalkylene glycol oil  
special lithium soap

#### Hazardous components

Chemical name	CAS-No.	Concentration[%]
lithium 12-hydroxystearate	7620-77-1	1 - 10
dilithium azelate	38900-29-7	1 - 10
Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol		1 - 10
Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene	68411-46-1	1 - 2,5

### 4. First aid measures

If inhaled : Remove person to fresh air. If signs/symptoms continue, get medical attention.  
Keep patient warm and at rest.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
If breathing is irregular or stopped, administer artificial respiration.

In case of skin contact : Take off all contaminated clothing immediately.  
Wash off immediately with soap and plenty of water.  
Get medical attention immediately if irritation develops and persists.  
Wash clothing before reuse.  
Thoroughly clean shoes before reuse.

In case of eye contact : Rinse immediately with plenty of water, also under the eyelids, for at least 10 minutes.  
If eye irritation persists, consult a specialist.

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If swallowed : Move the victim to fresh air.  
If unconscious, place in recovery position and seek medical advice.  
Keep respiratory tract clear.  
Do not induce vomiting without medical advice.  
Never give anything by mouth to an unconscious person.

### Notes to physician

Symptoms : Allergic appearance

Risks : May cause an allergic skin reaction.

Treatment : The first aid procedure should be established in consultation with the doctor responsible for industrial medicine.

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## 5. Firefighting measures

Suitable extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Unsuitable extinguishing media : High volume water jet

Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NO<sub>x</sub>)  
Sulphur oxides  
Oxides of phosphorus  
Metal oxides

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.  
Use personal protective equipment.  
Exposure to decomposition products may be a hazard to health.

Further information : Standard procedure for chemical fires.

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## 6. Accidental release measures

Personal precautions : Evacuate personnel to safe areas.  
Use the indicated respiratory protection if the occupational exposure limit is exceeded and/or in case of product release (dust).  
Do not breathe vapours, aerosols.  
Refer to protective measures listed in sections 7 and 8.

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- Environmental precautions : Try to prevent the material from entering drains or water courses.  
Local authorities should be advised if significant spillages cannot be contained.
- Methods for cleaning up : Clean up promptly by sweeping or vacuum.  
Keep in suitable, closed containers for disposal.

**7. Handling and storage**

**Handling**

- Advice on safe handling : Avoid contact with skin and eyes.  
For personal protection see section 8.  
Persons with a history of skin sensitisation problems or asthma, allergies, chronic or recurrent respiratory disease should not be employed in any process in which this mixture is being used.  
Smoking, eating and drinking should be prohibited in the application area.  
Wash hands and face before breaks and immediately after handling the product.  
Do not get in eyes or mouth or on skin.  
Do not get on skin or clothing.  
Do not ingest.  
Do not repack.  
These safety instructions also apply to empty packaging which may still contain product residues.  
Keep container closed when not in use.

**Storage**

- Requirements for storage areas and containers : Store in original container.  
Keep container closed when not in use.  
Keep in a dry, cool and well-ventilated place.  
Containers which are opened must be carefully resealed and kept upright to prevent leakage.  
Store in accordance with the particular national regulations.  
Keep in properly labelled containers.

**8. Exposure controls/personal protection**

**Components with workplace control parameters**

Components	CAS-No.	Value	Control parameters	Update	Basis

**Engineering measures**

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none

### Personal protective equipment

- Respiratory protection : Not required; except in case of aerosol formation.  
Filter type P
- Hand protection : Nitrile rubber  
Manufacturer, importer, supplier: Class 1  
Break through time: > 10 min  
Wear protective gloves.  
The break through time depends amongst other things on the material, the thickness and the type of glove and therefore has to be measured for each case.
- Eye protection : Safety glasses with side-shields
- Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.
- Protective measures : The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.  
Choose body protection in relation to its type, to the concentration and amount of dangerous substances, and to the specific work-place.

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## 9. Physical and chemical properties

### Appearance

- Form : paste  
Colour : beige
- Odour : characteristic

### Safety data

- Flash point : Note: Not applicable
- Ignition temperature : Remarks: No data available
- Lower explosion limit : Note: No data available
- Upper explosion limit : Note: No data available
- Flammability (solid, gas) : Combustible Solids

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Oxidizing properties	: Note: No data available
Auto-ignition temperature	: Note: No data available
pH	: Note: Not applicable substance/mixture is non-soluble (in water)
Melting point/range	: Note: No data available
Boiling point/boiling range	: Note: No data available
Sublimation point	: Note: No data available
Vapour pressure	: < 0,001 hPa at 20 °C
Density	: 0,97 g/cm <sup>3</sup> at 20 °C
Bulk density	: Note: No data available
Water solubility	: Note: insoluble
Partition coefficient: n-octanol/water	: Note: No data available
Solubility in other solvents	: Note: No data available
Viscosity, dynamic	: Note: No data available
Viscosity, kinematic	: Note: Not applicable
Relative vapour density	: Note: No data available
Evaporation rate	: Note: No data available

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**10. Stability and reactivity**

Conditions to avoid	: No conditions to be specially mentioned.
Materials to avoid	: No materials to be especially mentioned.
Hazardous decomposition products	: No decomposition if stored and applied as directed.
Thermal decomposition	: Note: No data available
Hazardous reactions	: No dangerous reaction known under conditions of normal use.

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**11. TOXICOLOGICAL INFORMATION**

**Acute toxicity**

Acute oral toxicity

lithium 12-hydroxystearate : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401

dilithium azelate : LD50: > 300 mg/kg  
Species: Rat  
Method: OECD Test Guideline 420

Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol : LD50: > 2.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 425

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene : LD50: > 5.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 401

Acute inhalation toxicity : Remarks: This information is not available.

Acute dermal toxicity

lithium 12-hydroxystearate : LD50: > 3.000 mg/kg  
Species: Rabbit

dilithium azelate : LD50: > 2.000 mg/kg  
Species: Rabbit

Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol : LD50: > 2.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 402

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene : LD50: > 2.000 mg/kg  
Species: Rat  
Method: OECD Test Guideline 402

**Skin corrosion/irritation**

Skin irritation : Remarks: This information is not available.

**Serious eye damage/eye irritation**

Eye irritation : Remarks: This information is not available.

**Respiratory or skin sensitisation**

Sensitisation : Remarks: This information is not available.

**Germ cell mutagenicity**

Genotoxicity in vitro : Remarks: No data available

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Genotoxicity in vivo : Remarks: No data available

**Teratogenicity**

Remarks

Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol : Animal testing did not show any effects on fertility.

**Target Organ Systemic Toxicant - Single exposure**

dilithium azelate : Remarks: The substance or mixture is not classified as specific target organ toxicant, single exposure.

**Target Organ Systemic Toxicant - Repeated exposure**

: This information is not available.

**Aspiration hazard**

Aspiration toxicity : This information is not available.

Further information : Information given is based on data on the components and the toxicology of similar products.

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**12. Ecological information**

**Ecotoxicity effects**

Toxicity to fish :  
Remarks:  
No data available

Toxicity to daphnia and other aquatic invertebrates : Remarks:  
No data available

Toxicity to algae : Remarks:  
No data available

Toxicity to bacteria : Remarks:  
No data available

**Elimination information (persistence and degradability)**

Bioaccumulation : Remarks:  
This mixture contains no substance considered to be



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persistent, bioaccumulating and toxic (PBT).  
This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Mobility : Remarks:  
No data available

Distribution among environmental compartments : Remarks:  
No data available

Biodegradability : Remarks:  
No data available

Physico-chemical removability : Remarks:  
No data available

**Further information on ecology**

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene :

Long-term (chronic) aquatic hazard

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene : This product has no known ecotoxicological effects.

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene :

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene :

Benzenamine, N-phenyl-, reaction products with 2,4,4-trimethylpentene :

Additional ecological information : No information on ecology is available.

**13. Disposal considerations**

Product : The product should not be allowed to enter drains, water courses or the soil.  
Do not dispose of with domestic refuse.  
Dispose of as hazardous waste in compliance with local and national regulations.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.

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Dispose of waste product or used containers according to local regulations.

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**14. Transport information**

**ADR**

Not dangerous goods

**IATA**

Not dangerous goods

**IMDG**

Not dangerous goods

**RID**

Not dangerous goods

Other information : No special precautions required.

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**15. Regulatory information**

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**16. Other information**

**Further information**

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