

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1 Product identifier

Product name : SYNTHESO GLEP 1

Article-No. : 012142

#### 1.2 Relevant identified uses of the substance or mixture and uses advised against

Use of the Sub-  
stance/Mixture : Grease

Recommended restrictions  
on use : Restricted to professional users.

#### 1.3 Details of the supplier of the safety data sheet

Company : Klüber Lubrication München  
Geisenhausenerstr. 7  
81379 München  
Deutschland  
Tel: +49 (0) 89 7876 0  
Fax: +49 (0) 89 7876 333  
info@klueber.com

E-mail address of person  
responsible for the SDS : mcm@klueber.com  
Material Compliance Management

National contact : UAB Tribosfera  
Medeinos 35-18  
06137 Vilnius  
Lithuania  
Phone: +370 615 98779

UAB Narvija  
Dubysos 29A  
91181 Klaipeda  
Lithuania  
Phone: +370 625 54414

#### 1.4 Emergency telephone number

Emergency telephone num-  
ber : +370 5 236 20 52  
Poison Information Office (24 hours)  
  
+49 89 7876-700 (24 hours)

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLÜBER**  
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## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification (REGULATION (EC) No 1272/2008)

Skin sensitisation, Category 1

H317: May cause an allergic skin reaction.

### 2.2 Label elements

#### Labelling (REGULATION (EC) No 1272/2008)

Hazard pictograms



Signal word : Warning

Hazard statements : H317 May cause an allergic skin reaction.

Precautionary statements : **Prevention:**

P272

Contaminated work clothing should not be allowed out 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.

#### Hazardous components which must be listed on the label:

Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol

### 2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

Toxicological information: The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLÜBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### SECTION 3: Composition/information on ingredients

#### 3.2 Mixtures

Chemical nature : polyalkylene glycol oil  
special lithium soap

#### Components

Chemical name	CAS-No. EC-No.  Index-No. Registration number	Classification	specific concentration limit M-Factor Notes Acute toxicity estimate	Concentration (% w/w)
dilithium azelate	38900-29-7 254-184-4  01-2120119814-57-XXXX 01-2120119814-57-XXXX 01-2120119814-57-XXXX 01-2120119814-57-XXXX	Acute Tox.4; H302		>= 1 - < 10
Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol	946-010-7  01-2120770934-44-XXXX	Skin Sens.1; H317		>= 1 - < 10
Substances with a workplace exposure limit :				
lithium 12-hydroxystearate	7620-77-1 231-536-5  01-2119970893-23-XXXX 01-2119970893-23-XXXX 01-2119970893-23-XXXX 01-2119970893-23-XXXX	Not classified		>= 1 - < 10

For explanation of abbreviations see section 16.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- |                         |   |                                                                                                                                                                                                                                                                                                      |
|-------------------------|---|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| If inhaled              | : | Remove person to fresh air. If signs/symptoms continue, get medical attention.<br>Keep patient warm and at rest.<br>If unconscious, place in recovery position and seek medical advice.<br>Keep respiratory tract clear.<br>If breathing is irregular or stopped, administer artificial respiration. |
| In case of skin contact | : | Take off all contaminated clothing immediately.<br>Wash off immediately with soap and plenty of water.<br>Get medical attention immediately if irritation develops and persists.<br>Wash clothing before reuse.<br>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.<br>If eye irritation persists, consult a specialist.                                                                                                                                                        |
| If swallowed            | : | Move the victim to fresh air.<br>If unconscious, place in recovery position and seek medical advice.<br>Keep respiratory tract clear.<br>Do not induce vomiting without medical advice.<br>Never give anything by mouth to an unconscious person.                                                    |

#### 4.2 Most important symptoms and effects, both acute and delayed

- |          |   |                                      |
|----------|---|--------------------------------------|
| Symptoms | : | Allergic appearance                  |
| Risks    | : | May cause an allergic skin reaction. |

#### 4.3 Indication of any immediate medical attention and special treatment needed

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

### SECTION 5: Firefighting measures

#### 5.1 Extinguishing media

- |                                |   |                                                                          |
|--------------------------------|---|--------------------------------------------------------------------------|
| Suitable extinguishing media   | : | Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide. |
| Unsuitable extinguishing media | : | High volume water jet                                                    |

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### 5.2 Special hazards arising from the substance or mixture

Hazardous combustion products : Carbon oxides  
Nitrogen oxides (NOx)  
Sulphur oxides  
Oxides of phosphorus  
Metal oxides

### 5.3 Advice for firefighters

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.

## SECTION 6: Accidental release measures

### 6.1 Personal precautions, protective equipment and emergency procedures

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.

### 6.2 Environmental precautions

Environmental precautions : Try to prevent the material from entering drains or water courses.  
Local authorities should be advised if significant spillages cannot be contained.

### 6.3 Methods and material for containment and cleaning up

Methods for cleaning up : Clean up promptly by sweeping or vacuum.  
Keep in suitable, closed containers for disposal.

### 6.4 Reference to other sections

For personal protection see section 8.

## SECTION 7: Handling and storage

### 7.1 Precautions for safe 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

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

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.

Hygiene measures : Wash face, hands and any exposed skin thoroughly after handling.

### 7.2 Conditions for safe storage, including any incompatibilities

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.

### 7.3 Specific end use(s)

Specific use(s) : Specific instructions for handling, not required.

## SECTION 8: Exposure controls/personal protection

### 8.1 Control parameters

#### Occupational Exposure Limits

Components	CAS-No.	Value type (Form of exposure)	Control parameters	Basis
lithium 12-hydroxystearate	7620-77-1	IPRD	5 mg/m <sup>3</sup>	LT OEL (2011-09-01)

#### Derived No Effect Level (DNEL) according to Regulation (EC) No. 1907/2006:

Substance name	End Use	Exposure routes	Potential health effects	Value
dilithium azelate	Workers	Dermal	Long-term systemic effects	13,5 mg/kg bw/day
	Workers	Dermal	Long-term local effects	0,172 mg/cm <sup>2</sup>
Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol	Workers	Dermal	Long-term systemic effects	8,33 mg/kg bw/day
bis(4-(1,1,3,3-tetramethyl-	Workers	Inhalation	Long-term systemic effects	4,11 mg/m <sup>3</sup>

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLUBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

butyl)phenyl)amine				
	Workers	Skin contact	Long-term systemic effects	1,17 mg/kg bw/day
O,O,O-triphenyl phosphorothioate	Workers	Inhalation	Long-term systemic effects	1,39 mg/m3
	Workers	Skin contact	Long-term systemic effects	0,4 mg/kg

### Predicted No Effect Concentration (PNEC) according to Regulation (EC) No. 1907/2006:

Substance name	Environmental Compartment	Value
dilithium azelate	Fresh water	0,023 mg/l
	Marine water	0,002 mg/l
bis(4-(1,1,3,3-tetramethylbutyl)phenyl)amine	Fresh water	0,00002 µg/l
	Marine water	0,000002 µg/l
	Fresh water sediment	0,00467 mg/kg
	Marine sediment	0,000467 mg/kg
	Soil	0,000934 mg/kg
O,O,O-triphenyl phosphorothioate	Sewage treatment plant	1 mg/l
	Soil	2,37 mg/l

## 8.2 Exposure controls

### Engineering measures

none

### Personal protective equipment

Eye protection : Safety glasses with side-shields

Hand protection

Material : Nitrile rubber  
Break through time : > 10 min  
Protective index : Class 1

Remarks : 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.  
The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Respiratory protection : Not required; except in case of aerosol formation.

Filter type : Filter type P

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 spe-

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

cific work-place.

## SECTION 9: Physical and chemical properties

### 9.1 Information on basic physical and chemical properties

Physical state	:	paste
Colour	:	beige
Odour	:	characteristic
Odour Threshold	:	No data available
Melting point/range	:	No data available
Boiling point/boiling range	:	No data available
Flammability	:	Combustible Solids
Upper explosion limit / Upper flammability limit	:	No data available
Lower explosion limit / Lower flammability limit	:	No data available
Flash point	:	Not applicable
Auto-ignition temperature	:	No data available
Decomposition temperature	:	No data available
Decomposition temperature	:	No data available
pH	:	Not applicable substance/mixture is non-soluble (in water)
Viscosity	:	No data available
Viscosity, dynamic	:	No data available
Viscosity, kinematic	:	Not applicable
Solubility(ies)	:	insoluble
Water solubility	:	insoluble
Solubility in other solvents	:	No data available



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLÜBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

Partition coefficient: n-octanol/water	:	No data available
Vapour pressure	:	< 0,001 hPa (20 °C)
Relative density	:	0,97 (20 °C) Reference substance: Water The value is calculated
Density	:	0,97 g/cm <sup>3</sup> (20 °C)
Bulk density	:	No data available
Relative vapour density	:	No data available

### 9.2 Other information

Explosives	:	Not explosive
Oxidizing properties	:	No data available
Self-ignition	:	No data available
Evaporation rate	:	No data available
Sublimation point	:	No data available

## SECTION 10: Stability and reactivity

### 10.1 Reactivity

No hazards to be specially mentioned.

### 10.2 Chemical stability

Stable under normal conditions.

### 10.3 Possibility of hazardous reactions

Hazardous reactions	:	No dangerous reaction known under conditions of normal use.
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### 10.4 Conditions to avoid

Conditions to avoid	:	No conditions to be specially mentioned.
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### 10.5 Incompatible materials

Materials to avoid	:	No materials to be especially mentioned.
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### 10.6 Hazardous decomposition products

No decomposition if stored and applied as directed.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLÜBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

##### Acute toxicity

###### Product:

Acute oral toxicity : Acute toxicity estimate: > 2.000 mg/kg  
Method: Calculation method

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

Acute dermal toxicity : Symptoms: Redness, Local irritation

###### Components:

###### **dilithium azelate:**

Acute oral toxicity : LD50 (Rat): > 300 mg/kg  
Method: OECD Test Guideline 420  
GLP: yes

Acute dermal toxicity : LD50 (Rabbit): > 2.000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

###### **Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:**

Acute oral toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 425  
Assessment: The substance or mixture has no acute oral toxicity

Acute dermal toxicity : LD50 (Rat): > 2.000 mg/kg  
Method: OECD Test Guideline 402  
Assessment: The substance or mixture has no acute dermal toxicity

###### **lithium 12-hydroxystearate:**

Acute oral toxicity : LD50 (Rat): > 5.000 mg/kg  
Method: OECD Test Guideline 401

Acute dermal toxicity : LD50 (Rabbit): > 3.000 mg/kg  
Assessment: The substance or mixture has no acute dermal toxicity

##### Skin corrosion/irritation

###### Product:

Remarks : This information is not available.

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLUBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### Components:

#### **dilithium azelate:**

Assessment	:	No skin irritation
Result	:	No skin irritation

#### **Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:**

Species	:	reconstructed human epidermis (RhE)
Assessment	:	No skin irritation
Result	:	No skin irritation

#### **lithium 12-hydroxystearate:**

Assessment	:	No skin irritation
Method	:	OECD Test Guideline 439
Result	:	No skin irritation

### **Serious eye damage/eye irritation**

#### Product:

Remarks	:	This information is not available.
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### Components:

#### **dilithium azelate:**

Species	:	Rabbit
Assessment	:	No eye irritation
Result	:	No eye irritation

#### **Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:**

Species	:	Rabbit
Assessment	:	No eye irritation
Result	:	No eye irritation

#### **lithium 12-hydroxystearate:**

Species	:	Rabbit
Assessment	:	No eye irritation
Method	:	OECD Test Guideline 405
Result	:	No eye irritation

### **Respiratory or skin sensitisation**

#### Product:

Remarks	:	This information is not available.
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### Components:

#### **dilithium azelate:**

Assessment	:	Does not cause skin sensitisation.
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# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLÜBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

Result : Does not cause skin sensitisation.

### Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:

Assessment : May cause sensitisation by skin contact.  
Result : May cause sensitisation by skin contact.

### lithium 12-hydroxystearate:

Exposure routes : Dermal  
Species : Mouse  
Method : OECD Test Guideline 429  
Result : negative

### Germ cell mutagenicity

#### Product:

Genotoxicity in vitro : Remarks: No data available

Genotoxicity in vivo : Remarks: No data available

#### Components:

### Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:

Genotoxicity in vitro : Remarks: In vitro tests did not show mutagenic effects

### Carcinogenicity

#### Product:

Remarks : No data available

### Reproductive toxicity

#### Product:

Effects on fertility : Remarks: No data available

Effects on foetal development : Remarks: No data available

#### Components:

### Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:

Reproductive toxicity - Assessment : - Fertility -  
Animal testing did not show any effects on fertility.

### STOT - single exposure

#### Components:

dilithium azelate:

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version 5.4	Revision Date: 2021.08.25	Date of last issue: 2021.02.22 Date of first issue: 2015.06.19	Print Date: 2021.08.25
----------------	------------------------------	-------------------------------------------------------------------	---------------------------

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

### STOT - repeated exposure

#### Components:

##### **dilithium azelate:**

Assessment : The substance or mixture is not classified as specific target organ toxicant, repeated exposure.

### Repeated dose toxicity

#### Product:

Remarks : This information is not available.

### Aspiration toxicity

#### Product:

This information is not available.

#### Components:

##### **dilithium azelate:**

No aspiration toxicity classification

### Further information

#### Product:

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

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Product:

Toxicity to fish : Remarks: No data available

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

Toxicity to algae/aquatic plants : Remarks: No data available

Toxicity to microorganisms : Remarks: No data available

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLÜBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue:	Print Date:
5.4	2021.08.25	2021.02.22 Date of first issue: 2015.06.19	2021.08.25

### Components:

#### **dilithium azelate:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

#### **lithium 12-hydroxystearate:**

Toxicity to fish : LC50 (Oncorhynchus mykiss (rainbow trout)): > 100 mg/l  
Exposure time: 96 h  
Test Type: semi-static test  
Method: OECD Test Guideline 203  
GLP: yes

Toxicity to daphnia and other : EC50 (Daphnia magna (Water flea)): > 100 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to algae/aquatic : EC50 (Pseudokirchneriella subcapitata (green algae)): > 160  
plants mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201  
  
NOEC (Pseudokirchneriella subcapitata (green algae)): 160  
mg/l  
Exposure time: 72 h  
Method: OECD Test Guideline 201

## 12.2 Persistence and degradability

### Product:

Biodegradability : Remarks: No data available

Physico-chemical removabil- : Remarks: No data available  
ity

### Components:

#### **Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:**

Biodegradability : Result: Not rapidly biodegradable

#### **lithium 12-hydroxystearate:**

Biodegradability : Test Type: Primary biodegradation  
Inoculum: activated sludge  
Result: rapidly biodegradable  
Biodegradation: 74,7 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301C

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)

**KLÜBER**  
LUBRICATION

## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue:	Print Date:
5.4	2021.08.25	2021.02.22 Date of first issue: 2015.06.19	2021.08.25

### 12.3 Bioaccumulative potential

#### Product:

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

#### Components:

##### **dilithium azelate:**

Bioaccumulation : Bioconcentration factor (BCF): 3,0

Partition coefficient: n-octanol/water : log Pow: -3,56

##### **Condensation products of fatty acids, tall oil with 2-amino-2-ethylpropanediol:**

Bioaccumulation : Bioconcentration factor (BCF): < 100

Partition coefficient: n-octanol/water : log Pow: 9,01

##### **lithium 12-hydroxystearate:**

Partition coefficient: n-octanol/water : log Pow: 2,6

### 12.4 Mobility in soil

#### Product:

Mobility : Remarks: No data available

Distribution among environmental compartments : Remarks: No data available

### 12.5 Results of PBT and vPvB assessment

#### Product:

Assessment : This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher..

### 12.6 Endocrine disrupting properties

#### Product:

Assessment : The substance/mixture does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or Commission Delegated regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version 5.4	Revision Date: 2021.08.25	Date of last issue: 2021.02.22 Date of first issue: 2015.06.19	Print Date: 2021.08.25
----------------	------------------------------	-------------------------------------------------------------------	---------------------------

levels of 0.1% or higher.

### 12.7 Other adverse effects

#### Product:

Additional ecological information : No information on ecology is available.

## SECTION 13: Disposal considerations

### 13.1 Waste treatment methods

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.

Waste codes should be assigned by the user based on the application for which the product was used.

Contaminated packaging : Packaging that is not properly emptied must be disposed of as the unused product.  
Dispose of waste product or used containers according to local regulations.

The following Waste Codes are only suggestions:

Waste Code : used product, unused product  
12 01 12\*, spent waxes and fats

uncleaned packagings  
15 01 10, packaging containing residues of or contaminated by hazardous substances

## SECTION 14: Transport information

### 14.1 UN number or ID number

Not regulated as a dangerous good

### 14.2 UN proper shipping name

Not regulated as a dangerous good

### 14.3 Transport hazard class(es)

Not regulated as a dangerous good

### 14.4 Packing group

Not regulated as a dangerous good



# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### 14.5 Environmental hazards

Not regulated as a dangerous good

### 14.6 Special precautions for user

Not applicable

### 14.7 Maritime transport in bulk according to IMO instruments

Remarks : Not applicable for product as supplied.

## SECTION 15: Regulatory information

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII)	: Not applicable
REACH - Candidate List of Substances of Very High Concern for Authorisation (Article 59). (EU SVHC)	: This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).
REACH - List of substances subject to authorisation (Annex XIV) (EU. REACH - Annex XIV)	: Not applicable
Regulation (EC) No 1005/2009 on substances that deplete the ozone layer (EC 1005/2009)	: Not applicable
Regulation (EU) 2019/1021 on persistent organic pollutants (recast) (EU POP)	: Not applicable
Regulation (EC) No 649/2012 of the European Parliament and the Council concerning the export and import of dangerous chemicals (EU PIC)	: Not applicable
Regulation (EU) 2019/1148 on the marketing and use of explosives precursors	: Not applicable
Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances.	: Not applicable
Volatile organic compounds	: Directive 2010/75/EU of 24 November 2010 on industrial emissions (integrated pollution prevention and control) Volatile organic compounds (VOC) content: 2,03 %

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
(Commission Regulation (EU) 2020/878)



## SYNTHESO GLEP 1

Version	Revision Date:	Date of last issue: 2021.02.22	Print Date:
5.4	2021.08.25	Date of first issue: 2015.06.19	2021.08.25

### Other regulations:

Take note of Directive 94/33/EC on the protection of young people at work or stricter national regulations, where applicable.

### 15.2 Chemical safety assessment

This information is not available.

## SECTION 16: Other information

### Full text of H-Statements

H302	: Harmful if swallowed.
H317	: May cause an allergic skin reaction.

### Full text of other abbreviations

LT OEL	: Lithuania. Occupational Exposure Limits
LT OEL / IPRD	: Long term exposure limit

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road; AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Society for the Testing of Materials; bw - Body weight; CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008; CMR - Carcinogen, Mutagen or Reproductive Toxicant; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECHA - European Chemicals Agency; EC-Number - European Community number; ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; RID - Regulations concerning the International Carriage of Dangerous Goods by Rail; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwan Chemical Substance Inventory; TRGS -

# SAFETY DATA SHEET

according to Regulation (EC) No. 1907/2006 - LT  
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Technical Rule for Hazardous Substances; TSCA - Toxic Substances Control Act (United States);  
UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

### Further information

#### Classification of the mixture:

Skin Sens. 1

H317

#### Classification procedure:

Calculation method

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