

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

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

### **1.1 Product identifier**

**Trade name** Lerapur®ECO-TOP Schmutz-Fettlöser**Article number:** 1002557034000

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

#### **Restrictions on use:**

Restrictions on use according to REGULATION (EC) No 1907/2006 ANNEX XVII apply to this product (see section 15).

**Application of the substance / the mixture** Cleaning agent/ Cleaner

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

#### **Manufacturer/Supplier:**

STOCKMEIER Chemie GmbH & Co.KG, Am Stadtholz 37, DE - 33609 Bielefeld  
Tel.: +49 521 / 30 37-0, [ehs-bielefeld@stockmeier.de](mailto:ehs-bielefeld@stockmeier.de)STOCKMEIER Fluids GmbH & Co. KG, Sanssouci 12, DE – 58802 Balve  
Tel.: +49 2375 917 310, [fluids@stockmeier.com](mailto:fluids@stockmeier.com)BASSERMANN Minerals GmbH & Co. KG, Rudolf-Diesel-Straße 42, DE – 68169 Mannheim  
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Tel.: +32 10 421-320, [info@stockmeierchemicalsbelux.com](mailto:info@stockmeierchemicalsbelux.com)HDS – Chemie Handels GES.M.B.H., Bauernmarkt 24, AT - 1010 Wien  
Tel.: +43 15 32 0 999, [office@hds-chemie.at](mailto:office@hds-chemie.at)[www.stockmeier.com](http://www.stockmeier.com)

#### **Informing department:**

Product safety department. Tel.: 0049 / 521 / 3037-381

E-mail: [ehs-bielefeld@stockmeier.de](mailto:ehs-bielefeld@stockmeier.de)

### **1.4 Emergency telephone number:**

This is an English-language document designed for the European region. For the emergency number and other country-specific data, please refer to the specific national versions of this safety data sheet.

Counselling Centre for Poisoning, Mainz

Tel. (+49) 61 31 / 19 240.

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 1)

## SECTION 2: Hazards identification

### 2.1 Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the CLP regulation.

### 2.2 Label elements

#### Labelling according to Regulation (EC) No 1272/2008 Void

Hazard pictograms Void

Signal word Void

Hazard statements Void

#### Additional information:

Safety data sheet available on request.

### 2.3 Other hazards

#### Results of PBT and vPvB assessment

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties Not applicable.

## SECTION 3: Composition/information on ingredients

### 3.2 Mixtures

#### Description:

Mixture of the substances listed below with non-hazardous additions (solution in water).

Mixture of the following substances with non-hazardous additions.

#### Dangerous components:

CAS: 112-34-5 EINECS: 203-961-6 Reg.nr.: 01-2119475104-44	diethylene glycol monobutyl ether Eye Irrit. 2, H319 substance with a Community workplace exposure limit	≥2,5-<10%
CAS: 85586-07-8 EINECS: 287-809-4 Reg.nr.: 01-2119489463-28	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315; Aquatic Chronic 3, H412 Specific concentration limits: Eye Dam. 1; H318: C ≥ 20 % Eye Irrit. 2; H319: 10 % ≤ C < 20 %	<2,5%
CAS: 103818-93-5 Polymer	Alcohols, C9-11, ethoxylated propoxylated Eye Irrit. 2, H319	≤2,5%

#### SVHC

This preparation does not contain any substances of very high concern (SVHC) in a concentration of ≥ 0.1 % according to Regulation (EC) 1907/2006, Article 57.

Additional information For the wording of the listed hazard phrases refer to section 16.

#### Composition/Ingredients

Constituents according to EC-Regulation 648/2004:

&lt; 5 % anionic surfactants

&lt; 5 % non-ionic surfactants,

Fragrances

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

#### General advice:

If unconscious, position and transport in stable lateral position.

(Contd. on page 3)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 2)

In case of persistent symptoms receive medical treatment.

**After inhalation** Supply fresh air; consult doctor in case of symptoms.**After skin contact**

Wash off with water.

Remove contaminated clothing immediately. Wash affected areas with plenty of water und soap. If irritation continues, contact a doctor.

**After eye contact**

Rinse immediately opened eye for several minutes under running water. Then consult doctor.

**After swallowing** Rinse out mouth and then drink plenty of water.**4.2 Most important symptoms and effects, both acute and delayed**

No further relevant information available.

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

No further relevant information available.

## \* SECTION 5: Firefighting measures

### 5.1 Extinguishing media

**Suitable extinguishing agents** Coordinate fire extinguishing measures with the surroundings.

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

Can be released in case of fire:

carbon monoxide (CO)

### 5.3 Advice for firefighters

**Protective equipment:**

Adapt protective equipment to the surrounding fire.

Wear self-contained breathing apparatus.

**Additional information**

Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

Cool endangered containers in the vicinity with a water spray jet.

## \* SECTION 6: Accidental release measures

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

Ensure adequate ventilation

### 6.2 Environmental precautions:

Do not allow to enter drainage system, surface or ground water.

In case of release of larger quantities, inform competent authorities.

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

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose of contaminated material as waste according to point 13.

### 6.4 Reference to other sections

See Section 7 for information on safe handling

See Section 8 for information on personal protection equipment.

See Section 13 for information on disposal.

## \* SECTION 7: Handling and storage

**7.1 Precautions for safe handling** Ensure good ventilation/extraction at the workplace.**Information about protection against explosions and fires:**

Observance of the general rules of preventive operational fire protection.

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

**Storage** Store in cool, dry conditions in well sealed containers.

(Contd. on page 4)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 3)

**Requirements to be met by storerooms and containers:**

Observe laws and regulations on the storage and use of substances hazardous to water.

Store in the delivery container or in PE containers.

**Information about storage in one common storage facility:** Store away from foodstuffs.**Further information about storage conditions:** Protect from frost.**7.3 Specific end use(s)** No further relevant information available.

## SECTION 8: Exposure controls/personal protection

**8.1 Control parameters****Components with critical values that require monitoring at the workplace:****112-34-5 diethylene glycol monobutyl ether**

AGW (Germany)	Long-term value: 67 mg/m <sup>3</sup> , 10 ppm 1,5(l);EU, DFG, Y, 11
EG (Germany)	Short-term value: 101,2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67,5 mg/m <sup>3</sup> , 10 ppm
MAK (Germany)	Long-term value: 67 mg/m <sup>3</sup> , 10 ppm Dampf und Aerosol
IOELV (EU)	Short-term value: 101,2 mg/m <sup>3</sup> , 15 ppm Long-term value: 67,5 mg/m <sup>3</sup> , 10 ppm

**DNELs****112-34-5 diethylene glycol monobutyl ether**

Oral	DNEL (population)	6,25 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	5 mg/kg (Long-term, systemic effects)
Dermal	DNEL (worker)	83 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	50 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	101,2 mg/m <sup>3</sup> (Acute, local effects)
		67,5 mg/m <sup>3</sup> (Long-term, local effects)
	DNEL (population)	60,7 mg/m <sup>3</sup> (Acute, local effects)
		40,5 mg/m <sup>3</sup> (Long-term - systemic + local effects)

**85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts**

Oral	DNEL (population)	24 mg/kg bw/day (Long-term, systemic effects)
Dermal	DNEL (worker)	4060 mg/kg bw/day (Long-term, systemic effects)
	DNEL (population)	2440 mg/kg bw/day (Long-term, systemic effects)
Inhalative	DNEL (worker)	285 mg/m <sup>3</sup> (Long-term, systemic effects)
	DNEL (population)	85 mg/m <sup>3</sup> (Long-term, systemic effects)

**PNECs****112-34-5 diethylene glycol monobutyl ether**

Oral	PNEC oral	56 mg/kg (Nahrung) (Secondary poisoning)
	PNEC water	1,1 mg/l (freshwater)
		0,11 mg/l (marine water)
	PNEC	11 mg/l (intermittent releases)
	PNEC sediment	4,4 mg/kg dw (freshwater)
		0,44 mg/kg dw (marine water)
	PNEC soil	0,32 mg/kg dw (soil)

(Contd. on page 5)

EUE

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 4)

**85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts**

PNEC water	0,0131 mg/l (Seawater) 0,131 mg/l (freshwater)
PNEC	0,036 mg/l (intermittent releases) 1,35 mg/l (sewage plant)
PNEC sediment	4,61 mg/kg (freshwater) 0,461 mg/kg (Seawater)
PNEC soil	0,846 mg/kg (soil)

**Additional information:** The lists that were valid during the compilation were used as basis.**8.2 Exposure controls****Appropriate engineering controls** No further data; see section 7.**Individual protection measures, such as personal protective equipment****General protective and hygienic measures**

Wash hands during breaks and at the end of the work.

Avoid contact with the eyes and skin.

Gases, fumes and aerosols should not be inhaled.

**Breathing equipment:**

Not necessary if room is well-ventilated.

Respiratory protection in case of release of vapours/aerosols

**Recommended filter device for short term use:** Combination filter A-P2**Hand protection**

In the event of prolonged skin contact, protective gloves or skin protection cream are recommended.

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

**Material of gloves**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

**Penetration time of glove material**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

**Eye/face protection**

Wear safety goggles with side protection when handling the product openly and if there is a risk of splashing.

**Body protection:**

Standard protective work clothing. Chemical resistant safety shoes or boots. If skin contact may occur, wear impermeable protective clothing for this solution.

**Environmental exposure controls** Observe the local and national waste water regulations.**SECTION 9: Physical and chemical properties****9.1 Information on basic physical and chemical properties****General Information****Physical state**

Fluid

**Colour:**

Light green

**Smell:**

Characteristic

**Odour threshold:**

Not determined.

(Contd. on page 6)

EUE

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 5)

<b>Melting point/freezing point:</b>	Not determined
<b>Boiling point or initial boiling point and boiling range</b>	100 °C (7732-18-5 water, distilled, conductivity or of similar purity)
<b>Flammability</b>	Not applicable.
<b>Lower and upper explosion limit</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Flash point:</b>	Product is non-flammable nor potentially explosive
<b>Decomposition temperature:</b>	Not determined.
<b>pH at 20 °C</b>	~10,6
<b>pH-value:</b>	
<b>Viscosity:</b>	
<b>Kinematic viscosity</b>	Not determined.
<b>dynamic:</b>	Not determined.
<b>Solubility</b>	
<b>Water:</b>	Fully miscible
<b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
<b>Vapour pressure at 20 °C:</b>	23 hPa (7732-18-5 water, distilled, conductivity or of similar purity)
<b>Density and/or relative density</b>	
<b>Density at 20 °C</b>	1,02 g/cm <sup>3</sup>
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not determined.

**9.2 Other information****Appearance:****Form:** Fluid**Important information on protection of health and environment, and on safety.****Self-inflammability:** Product is not selfigniting.**Explosive properties:** Product is not potentially explosive**Evaporation rate** Not determined.**Information with regard to physical hazard classes**

<b>Explosives</b>	Void
<b>Flammable gases</b>	Void
<b>Aerosols</b>	Void
<b>Oxidising gases</b>	Void
<b>Gases under pressure</b>	Void
<b>Flammable liquids</b>	Void
<b>Flammable solids</b>	Void
<b>Self-reactive substances and mixtures</b>	Void
<b>Pyrophoric liquids</b>	Void
<b>Pyrophoric solids</b>	Void
<b>Self-heating substances and mixtures</b>	Void
<b>Substances and mixtures, which emit flammable gases in contact with water</b>	Void
<b>Oxidising liquids</b>	Void
<b>Oxidising solids</b>	Void
<b>Organic peroxides</b>	Void
<b>Corrosive to metals</b>	Void

(Contd. on page 7)

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 6)

Desensitised explosives

Void

#### \* SECTION 10: Stability and reactivity

**10.1 Reactivity** No further relevant information available.**10.2 Chemical stability****Thermal decomposition / conditions to be avoided:**

No decomposition if used according to specifications.

**10.3 Possibility of hazardous reactions** No dangerous reactions known**10.4 Conditions to avoid** No further relevant information available.**10.5 Incompatible materials:**

strong oxidising agents

Acids

Reactions with strong oxidising agents.

**10.6 Hazardous decomposition products:** No dangerous decomposition products known

#### \* SECTION 11: Toxicological information

**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute toxicity** Based on available data, the classification criteria are not met.**LD/LC50 values that are relevant for classification:****112-34-5 diethylene glycol monobutyl ether**

Oral	LD50	2410-5530 mg/kg (mouse) >2000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2000 mg/kg (rabbit) (OECD 402) 2764 mg/kg (rat) (OECD 402)
Inhalative	LC 50 / 2 h	>29 mg/l (rat)

**85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts**

Oral	LD50	1800 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)

**103818-93-5 Alcohols, C9-11, ethoxylated propoxylated**

Oral	LD50	>2000 mg/kg (rat)
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**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation** Based on available data, the classification criteria are not met.**Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.**Germ cell mutagenicity** Based on available data, the classification criteria are not met.**Carcinogenicity** Based on available data, the classification criteria are not met.**Reproductive toxicity** Based on available data, the classification criteria are not met.**STOT-single exposure** Based on available data, the classification criteria are not met.**STOT-repeated exposure** Based on available data, the classification criteria are not met.**Aspiration hazard** Based on available data, the classification criteria are not met.**11.2 Information on other hazards****Endocrine disrupting properties**

None of the ingredients is listed.

EUE

(Contd. on page 8)



## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 7)

## SECTION 12: Ecological information

### 12.1 Toxicity

#### Aquatic toxicity:

##### 112-34-5 diethylene glycol monobutyl ether

LC 50 / 96 h (static)	1300 mg/l (Lepomis macrochirus) (OECD 203)
EC 50 / 48 h (static)	>100 mg/l (Daphnia magna) (OECD 202)
EC 50 / 48 h	4950 mg/l (Daphnia magna)
EC 50 / 96 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
EC 50 / 24 h	2850 mg/l (Daphnia magna)
EC 50 / 72 h (static)	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC / 96 h	>100 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC / 48 h	>100 mg/l (Daphnia magna) (OECD 202)

##### 85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

LC 50 / 96 h	3,6 mg/l (Oncorhynchus mykiss) (OECD 203)
EC 50 / 48 h	4,7 mg/l (Daphnia magna) (OECD 202)
EC 50 / 72 h	20 mg/l (Desmodesmus subspicatus) (OECD 201)
NOEC	0,508 mg/l (Daphnia magna)
NOEC / 72 h	0,6 mg/l (Algae) (OECD 201)

##### 103818-93-5 Alcohols, C9-11, ethoxylated propoxylated

EC 50 / 48 h	13,5 mg/l (Daphnia)
EC50 / 72h	12 mg/l (Algae)

### 12.2 Persistence and degradability

The surfactant(s) contained in this preparation complies(comply) with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents. Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

##### 112-34-5 diethylene glycol monobutyl ether

Biodegradability	~85 % (28 d, OECD 301 C)
	100 % (OECD 302 B)

##### 85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Biodegradability	90,8 % (OECD 301 D) (EMPLA 67/2007)
Biodegradability	>60 % /28 d (OECD 301 B)

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

### 12.7 Other adverse effects

#### Respiratory inhibition of communal activated sludge EC 20 (mg/l according to ISO 8192 B):

##### 112-34-5 diethylene glycol monobutyl ether

EC 10 / 0,5 h	>1995 mg/l (activated sludge (DEV - L2)) (OECD 209 (Activated Sludge, Resp. Inhibition Test))
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(Contd. on page 9)



## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 8)

**Additional ecological information:****General notes:** Water hazard class 1 (Self-assessment): slightly hazardous for water.

## \* SECTION 13: Disposal considerations

**13.1 Waste treatment methods**

The note below refers to the product left as it is and not to further processed products. When mixed with other products, other disposal routes may be required; if in doubt, consult the supplier of the product or the local authority.

**Recommendation**

Contact manufacturer for recycling information.

The above recommendations apply to the unused product (e.g. residual quantities).

When used as intended, the product enters the waste water.

Disposal in accordance with official regulations.

Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

**Waste disposal key number:**

Since 1 January 1999, the waste code numbers have not only been product-related but essentially application-related. The waste code number valid for the application can be taken from the European Waste Catalogue.

**Uncleaned packagings:** Disposal in accordance with official regulations.

**Recommendation:**

Empty containers completely and send them cleaned for reconditioning or recycling. Dispose of containers only in consultation with local authorities.

**Levelement:** After optimal emptying, immediately return to the supplier tightly closed and without cleaning. Make sure that no foreign matter gets into the packaging!

Other containers: Empty completely and clean for reconditioning or reprocessing.

**Recommended cleaning agent:** Water, if necessary with cleaning agent.

## \* SECTION 14: Transport information

**14.1 UN number or ID number**  
ADR/RID, IMDG, IATA

Void

**14.2 UN proper shipping name**  
ADR/RID  
IMDG, IATA

Void

Void

**14.3 Transport hazard class(es)**  
ADR/RID, IMDG, IATA  
Class

Void

**14.4 Packing group**  
ADR/RID, IMDG, IATA

Void

**14.5 Environmental hazards:**  
**Marine pollutant:**

Not applicable.

No

**14.6 Special precautions for user**

Not applicable.

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

Not applicable.

**Transport/Additional information:**

Not dangerous according to the above specifications.

(Contd. on page 10)

EUE

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

Trade name Lerapur®ECO-TOP Schmutz-Fettlöser

(Contd. of page 9)

UN "Model Regulation":

Void

## \* SECTION 15: Regulatory information

**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****Labelling according to Regulation (EC) No 1272/2008** Void**Hazard pictograms** Void**Signal word** Void**Hazard statements** Void**Directive 2012/18/EU****Named dangerous substances - ANNEX I** None of the ingredients is listed.**LIST OF SUBSTANCES SUBJECT TO AUTHORISATION (ANNEX XIV)**

None of the ingredients is listed.

**REGULATION (EC) No 1907/2006 ANNEX XVII** Conditions of restriction: 55**DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II**

None of the ingredients is listed.

**REGULATION (EU) 2019/1148****Regulation (EC) No 273/2004 on drug precursors**

None of the ingredients is listed.

**Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors**

None of the ingredients is listed.

**National regulations****Information about limitation of use:**

Employment restrictions concerning young persons must be observed.

**Other regulations, limitations and prohibitive regulations****Substances of very high concern (SVHC) according to REACH, Article 57**

None of the ingredients is listed.

**VOC (EU)** 46,1 g/l**15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

## SECTION 16: Other information

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

This safety data sheet complies with Regulation (EC) No 1907/2006, Article 31 as amended by Regulation (EU) 2020/878.

**Application:** Please refer to the technical data sheet for application instructions.**Registration-Number****Relevant phrases**

Complete wording of hazard statements and risk phrases (H-phrases) mentioned in section 3. These phrases refer to the constituents. The labelling for this product is stated in section 2.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

(Contd. on page 11)

— EUE —

## Safety data sheet

### according to Regulation (EC) No 1907/2006, Article 31

Printing date 30.07.2024

Version number 103.02 (replaces version 103.01)

Revision: 29.07.2024

---

**Trade name Lerapur®ECO-TOP Schmutz-Fettlöser**


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(Contd. of page 10)

H319 Causes serious eye irritation.

H412 Harmful to aquatic life with long lasting effects.

**Training hints**

Employees must be regularly trained in the safe handling of the products based on the information in the safety data sheet and the local conditions of the workplace. National regulations on the training of employees in the handling of hazardous substances must be observed.

**Classification according to Regulation (EC) No 1272/2008**

The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

**Department issuing data specification sheet:** See section 1.3: Responding area

**Date of previous version:** 04.05.2023

**Version number of previous version:** 103.01

**Abbreviations and acronyms:**

RPE: Respiratory Protective Equipment

RCR: Risk Characterisation Ratio (RCR= PEC/PNEC)

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

CLP: Classification, Labelling and Packaging (Regulation (EC) No. 1272/2008)

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

ISO: International Organisation for Standardisation

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

SVHC: Substance of Very High Concern

SVHC: Substances of Very High Concern

vPvB: very Persistent and very Bioaccumulative

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**\* Data compared to the previous version altered.**