

# SAFETY DATA SHEET ACCORDING TO REGULATION (EC) 1907/2006

**Product name: Eyelash Perming Lotion**

**Creation date: 05.04.2023, Revision: 05.04.2023, version: 1.0**

## SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1 Product identifier

Product name

Eyelash Perming Lotion



<https://my.chemius.net/p/eAG4id/en/pd/en>

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

Relevant identified uses

No information.

Uses advised against

No information.

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

Supplier

Benedikte Vippeextensions AS

Søndre Gate 2

0550 Oslo, Norway

(+47) 90821081

tobias@norlash.com

### 1.4 Emergency Telephone Number

Emergency

112

Supplier

(+47) 90821081

## SECTION 2: HAZARDS IDENTIFICATION

### 2.1 Classification of the substance or mixture

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

Acute Tox. 4; H302 Harmful if swallowed.

Eye Dam. 1; H318 Causes serious eye damage.

Acute Tox. 4; H332 Harmful if inhaled.

STOT SE 3; H335 May cause respiratory irritation.

### 2.2 Label elements

Labelling according to Regulation (EC) No 1272/2008 [CLP]

**Signal word: DANGER**

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

P270 Do not eat, drink or smoke when using this product.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P301 + P330 + P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P403 + P233 Store in a well-ventilated place. Keep container tightly closed.

P501 Dispose of contents/container in accordance with national regulation.

**Contains:**

Aqua

thioglycolic acid

2-aminoethanol

HYDROXYPROPYL STARCH PHOSPHATE

Urea

CETEARYL ALCOHOL

CETEARETH-20

tetrasodium ethylenediaminetetraacetate

PARAFFINUM LIQUIDUM

Glyceryl Stearate S/E

2-phenoxyethanol

3-(2-ethylhexyloxy)propane-1,2-diol

**2.3 Other hazards****PBT/vPvB**

No information.

**Endocrine disrupting properties**

No information.

**Additional information**

No information.

**SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS****3.1 Substances**

For mixtures see 3.2.

**3.2 Mixtures**

Name	CAS EC Index Reach	%	Classification according to Regulation (EC) No 1272/2008 (CLP)	Specific Conc. Limits	Notes for substances
Aqua	7732-18-5 231-791-2 -	60-70	/	/	/
thioglycolic acid	68-11-1 200-677-4 607-090-00-6	5-10	Acute Tox. 3; H301 Acute Tox. 3; H311 Skin Corr. 1B; H314 Acute Tox. 3; H331	/	/

2-aminoethanol	141-43-5 205-483-3 603-030-00-8	5-10	Acute Tox. 4; H302 Acute Tox. 4; H312 Skin Corr. 1B; H314 Acute Tox. 4; H332	STOT SE 3; H335; C ≥ 5%	/
HYDROXYPROPYL STARCH PHOSPHATE	53124-00-8 - -	2.5-5	/	/	/
Urea	57-13-6 200-315-5 -	2.5-5	Skin Irrit. 2; H315 Eye Irrit. 2; H319	/	/
CETEARYL ALCOHOL	67762-27-0 267-008-6 -	1-2.5	/	/	/
CETEARETH-20	68439-49-6 - -	0.1-1	/	/	/
tetrasodium ethylenediaminetetraacetate	64-02-8 200-573-9 607-428-00-2	0.1-1	Acute Tox. 4; H302 Eye Dam. 1; H318	/	/
PARAFFINUM LIQUIDUM	8012-95-1 232-384-2 -	0.1-1	/	/	/
Glyceryl Stearate S/E	11099-07-3 234-325-6 -	0.1-1	/	/	/
2-phenoxyethanol	122-99-6 204-589-7 603-098-00-9	0.1-1	Acute Tox. 4; H302 Eye Dam. 1; H318 STOT SE 3; H335	oral: ATE = 1394 mg/kg bw	/
3-(2-ethylhexyloxy)propane-1,2-diol	70445-33-9 408-080-2 603-168-00-9	0.01-0.1	Eye Dam. 1; H318 Aquatic Chronic 3; H412	/	/

## SECTION 4: FIRST AID MEASURES

### 4.1 Description of first aid measures

#### General notes

Never give anything by mouth to an unconscious person. Place patient in recovery position and ensure airway patency. When in doubt or if feeling unwell seek medical assistance. Show the safety data sheet and label to the physician. No action shall be taken involving any personal risk or without suitable training. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. When it is suspected, that there may still be harmful vapours/fumes present in the air, respiratory protection (mask; self contained breathing apparatus) must be used. Wash contaminated clothing with water before removing or use gloves.

#### Following inhalation

Remove patient to fresh air - move out of dangerous area. In case of unconsciousness bring patient into stable side position and seek medical attention. If breathing is irregular or respiratory arrest occurs provide artificial respiration. Keep at rest in a position comfortable for breathing. Seek medical help immediately.

#### Following skin contact

No information.

#### Following eye contact

Immediately flush eyes with running water, keeping eyelids apart. After 5 minutes of rinsing, remove contact lenses, if present, and continue rinsing. Consult a physician immediately!

#### Following ingestion

Do not induce vomiting! Rinse mouth thoroughly with water. Never give anything by mouth to an unconscious person. Immediately consult a doctor. Show the physician the safety data sheet or label.

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

**Following inhalation**

Can cause irritation of respiratory system. Symptoms include: headache, dizziness, fatigue, muscular weakness, drowsiness and, in extreme cases, unconsciousness. Coughing, sneezing, nasal discharge, labored breathing. Harmful.

**Following skin contact**

No information.

**Following eye contact**

Redness, pain, burning sensation, tearing, can cause permanent damage to the eyes.

**Following ingestion**

May cause nausea/vomiting and diarrhea. May cause abdominal discomfort. If ingested, may cause burns of the mouth and throat, as well as perforation of the esophagus and stomach. Irritates mucous membranes in the mouth, throat, esophagus and in gastrointestinal area. Harmful to health.

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

Treat symptomatically.

**SECTION 5: FIREFIGHTING MEASURES****5.1 Extinguishing media****Suitable extinguishing media**

Carbon dioxide. Dry chemical powder. Water spray. Alcohol resistant foam.

**Unsuitable extinguishing media**

Full water jet.

**5.2 Special hazards arising from the substance or mixture****Hazardous combustion products**

In case of a fire toxic gases can be generated; do not inhale gases/smoke.

**5.3 Advice for firefighters****Protective actions**

In case of fire or heating do not breathe fumes/vapours. No action shall be taken involving any personal risk or without suitable training.

**Special protective equipment for fire-fighters**

Firefighters should wear appropriate protective clothing for firefighters (including helmets, protective boots and gloves) (BS EN 469) and self-contained breathing apparatus (SCBA) with a full face-piece (BS EN 137).

**Additional information**

Contaminated firefighting water and fire residues must be disposed of in accordance with the local regulations.

**SECTION 6: ACCIDENTAL RELEASE MEASURES****6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel****Protective equipment**

No information.

**Precautionary measures**

Ensure adequate ventilation.

**Emergency procedures**

No action shall be taken involving any personal risk or without suitable training. Prevent access to unprotected personnel. Evacuate the danger zone. Do not breathe vapour or mist.

**For emergency responders**

Use personal protective equipment.

## 6.2 Environmental precautions

Do not allow product to reach water/drains/sewage systems or permeable soil. In case of release into the environment, inform the relevant authorities.

## 6.3 Methods and material for containment and cleaning up

### For containment

Stem the spill if this does not pose risks.

### For cleaning up

Absorb product (with inert material), collect it in special container and dispose it to a licensed hazardous-waste disposal contractor. Prevent release into the sewer, water, basements or confined areas. Ventilate the premises. Clean contaminated area with plenty of water.

### OTHER INFORMATION

No information.

## 6.4 Reference to other sections

See also sections 8 and 13.

# SECTION 7: HANDLING AND STORAGE

## 7.1 Precautions for safe handling

### Protective measures

#### Measures to prevent fire

Ensure adequate ventilation.

#### Measures to prevent aerosol and dust generation

Use general or local exhaust ventilation to prevent inhaling vapours and aerosols.

#### Measures to protect the environment

Do not discharge into drains, surface water and soil. After use immediately close container tightly.

#### Other measures

No information.

### Advice on general occupational hygiene

Use good personal hygiene practices – wash hands at breaks and when done working with material. Do not eat, drink or smoke while working. Do not breathe vapours/mist. Remove contaminated clothes and wash them before reuse. Wear suitable protective equipment; see Section 8.

## 7.2 Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions

Keep in a cool, dry and well ventilated place. Keep away from food, drink and animal feeding stuffs.

### Packaging materials

Store only in original container.

### Requirements for storage rooms and vessels

Close opened containers after use. Put the containers upright to prevent from leaking. Do not store in unlabelled containers.

### Storage class

No information.

### Further information on storage conditions

No information.

## 7.3 Specific end use(s)

## Recommendations

No information.

## Industrial sector specific solutions

No information.

## SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

## 8.1 Control parameters

## Occupational Exposure limit values

Name	mg/m <sup>3</sup>	ml/m <sup>3</sup>	Short-term value mg/m <sup>3</sup>	Short-term value ml/m <sup>3</sup>	Remark	Biological Tolerance Values
2-phenoxyethanol	110	20	220	40	AGW (Vapour and aerosols); DE TRGS 900	/
2-Aminoethanol (141-43-5)	2.5	1	7.6	3	Sk	/
Mercaptoacetic acid (68-11-1)	3.8	1	/	/	/	/

## Information on monitoring procedures

BS EN 14042:2003 Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents. BS EN 689:2018 Workplace exposure. Measurement of exposure by inhalation to chemical agents. Strategy for testing compliance with occupational exposure limit values. BS EN 482:2021 Workplace exposure. Procedures for the determination of the concentration of chemical agents. Basic performance requirements.

## DNEL/DMEL values

## For product

No information.

## For components

Name	Type	Exposure route	exp. frequency	Remark	value
Urea	Worker	inhalation	long term systemic effects	/	292 mg/m <sup>3</sup>
Urea	Worker	inhalation	short term local effects	/	292 mg/m <sup>3</sup>
Urea	Worker	dermal	long term systemic effects	/	580 mg/kg bw/day
Urea	Worker	dermal	short term local effects	/	580 mg/kg bw/day
Urea	Consumer	inhalation	long term systemic effects	/	125 mg/m <sup>3</sup>
Urea	Consumer	inhalation	short term local effects	/	125 mg/m <sup>3</sup>
Urea	Consumer	dermal	long term systemic effects	/	580 mg/kg bw/day
Urea	Consumer	dermal	short term local effects	/	580 mg/kg bw/day
Urea	Consumer	oral	long term systemic effects	/	42 mg/kg bw/day
Urea	Consumer	oral	short term local effects	/	42 mg/kg bw/day
CETEARYL ALCOHOL	Worker	inhalation	long term systemic effects	/	237.76 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Worker	inhalation	short term systemic effects	/	237.76 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Worker	inhalation	long term local effects	/	6.52 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Worker	inhalation	short term local effects	/	6.52 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Worker	dermal	long term systemic effects	/	200 mg/kg bw/day
CETEARYL ALCOHOL	Worker	dermal	short term systemic effects	/	400 mg/kg bw/day
CETEARYL ALCOHOL	Worker	dermal	long term local effects	/	1.124 mg/cm <sup>2</sup>
CETEARYL ALCOHOL	Worker	dermal	short term local effects	/	1.124 mg/cm <sup>2</sup>

CETEARYL ALCOHOL	Consumer	inhalation	long term systemic effects	/	118.88 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Consumer	inhalation	short term systemic effects	/	118.9 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Consumer	inhalation	long term local effects	/	0.652 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Consumer	inhalation	short term local effects	/	0.652 mg/m <sup>3</sup>
CETEARYL ALCOHOL	Consumer	dermal	long term systemic effects	/	100 mg/kg bw/day
CETEARYL ALCOHOL	Consumer	dermal	short term systemic effects	/	200 mg/kg bw/day
CETEARYL ALCOHOL	Consumer	dermal	long term local effects	/	0.562 mg/cm <sup>2</sup>
CETEARYL ALCOHOL	Consumer	dermal	short term local effects	/	0.562 mg/cm <sup>2</sup>
CETEARYL ALCOHOL	Consumer	oral	long term systemic effects	/	75 mg/kg bw/day
CETEARYL ALCOHOL	Consumer	oral	short term systemic effects	/	75 mg/kg bw/day
tetrasodium ethylenediaminetetraacetate	Worker	inhalation	short term systemic effects	/	2.5 mg/m <sup>3</sup>
tetrasodium ethylenediaminetetraacetate	Worker	inhalation	short term local effects	/	2.5 mg/m <sup>3</sup>
tetrasodium ethylenediaminetetraacetate	Consumer	oral	long term systemic effects	/	25 mg/kg
tetrasodium ethylenediaminetetraacetate	Consumer	inhalation	short term systemic effects	/	1.5 mg/m <sup>3</sup>
tetrasodium ethylenediaminetetraacetate	Consumer	inhalation	short term local effects	/	1.5 mg/m <sup>3</sup>
PARAFFINUM LIQUIDUM	Worker	inhalation	long term systemic effects	/	5 mg/m <sup>3</sup>
PARAFFINUM LIQUIDUM	Worker	inhalation	short term systemic effects	/	5 mg/m <sup>3</sup>
PARAFFINUM LIQUIDUM	Worker	inhalation	long term local effects	/	5 mg/m <sup>3</sup>
PARAFFINUM LIQUIDUM	Worker	inhalation	short term local effects	/	5 mg/cm <sup>3</sup>
2-phenoxyethanol	Worker	dermal	long term systemic effects	/	20.83 mg/kg
2-phenoxyethanol	Worker	inhalation	long term systemic effects	/	5.7 mg/m <sup>3</sup>
2-phenoxyethanol	Worker	inhalation	long term local effects	/	5.7 mg/m <sup>3</sup>
2-phenoxyethanol	Consumer	dermal	long term systemic effects	/	10.42 mg/kg
2-phenoxyethanol	Consumer	inhalation	long term systemic effects	/	2.41 mg/m <sup>3</sup>
2-phenoxyethanol	Consumer	oral	long term systemic effects	/	9.23 mg/kg
2-phenoxyethanol	Consumer	oral	short term systemic effects	/	9.23 mg/kg

#### PNEC values

For product

No information.

For components

Name	Exposure route	Remark	value
Urea	fresh water	/	0.47 mg/L
CETEARYL ALCOHOL	fresh water	/	0.13 mg/L
CETEARYL ALCOHOL	water, intermittent release	/	1 mg/L

CETEARYL ALCOHOL	marine water	/	0.12 mg/L
CETEARYL ALCOHOL	water treatment plant	/	1000 mg/L
CETEARYL ALCOHOL	fresh water sediment	dry weight	13.61 mg/kg
CETEARYL ALCOHOL	marine water sediment	dry weight	1.361 mg/kg
CETEARYL ALCOHOL	soil	dry weight	100 mg/kg
CETEARYL ALCOHOL	secondary poisoning	food	86.7 mg/kg
tetrasodium ethylenediaminetetraacetate	fresh water	/	2.2 mg/L
tetrasodium ethylenediaminetetraacetate	marine water	/	0.22 mg/L
tetrasodium ethylenediaminetetraacetate	water, intermittent release	/	1.2 mg/L
tetrasodium ethylenediaminetetraacetate	soil	/	0.72 mg/L
tetrasodium ethylenediaminetetraacetate	water treatment plant	/	43 mg/L
2-phenoxyethanol	fresh water	/	0.943 mg/L
2-phenoxyethanol	marine water	/	0.0943 mg/L
2-phenoxyethanol	fresh water sediment	/	7.2366 mg/kg
2-phenoxyethanol	marine water sediment	/	0.7237 mg/kg
2-phenoxyethanol	soil	/	1.26 mg/kg
2-phenoxyethanol	water, intermittent release	/	3.44 mg/L
2-phenoxyethanol	water treatment plant	/	24.8 mg/L

## 8.2 Exposure controls

### Appropriate engineering control

#### Substance/mixture related measures to prevent exposure during identified uses

Use good personal hygiene practices – wash hands at breaks and when done working with material. Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke while working. Do not breathe vapours/aerosols.

#### Structural measures to prevent exposure

No information.

#### Organisational measures to prevent exposure

Keep eyewash bottles or personal eyewash units and emergency showers available.

#### Technical measures to prevent exposure

Provide good ventilation and local exhaust in areas with increased concentration. Keep away from food, drink and animal feeding stuffs.

#### Personal protective equipment

##### Eye and face protection

Wear tight fitting protective goggles and/or face protection (EN 166).

##### Hand protection

Protective gloves (EN 374). Observe the manufacturer's instructions regarding the use, storage, maintenance and replacement of gloves. In case of damage or at the first signs of wear and tear, change the gloves immediately. 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. The penetration time is determined by the protective glove manufacturer and must be observed.

#### Appropriate materials

##### Skin protection

No information.

##### Respiratory protection

In case of insufficient ventilation wear suitable respiratory protection. Wear suitable protective breathing mask (EN 136) with filter A2-P2 (EN 14387). For dust/gas/ vapor concentrations above the applicable filter limit, in case of oxygen concentrations below 17% or in vague conditions, autonomous self-contained breathing apparatus should be used, according to standard BS EN 137, BS EN 138.

#### Thermal hazards



No information.

Environmental exposure controls

Substance/mixture related measures to prevent exposure

No information.

Instruction measures to prevent exposure

No information.

Organisational measures to prevent exposure

No information.

Technical measures to prevent exposure

Do not allow product to reach drains, sewage systems or ground water.

## SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

Physical state

liquid - thick lotion

Colour

milky white

Odour

characteristic

Important health, safety and environmental information

Odour threshold	No information.
Melting point/Freezing point	No information.
Boiling point or initial boiling point and boiling range	No information.
Flammability	No information.
Lower and upper explosion limit	No information.
Flash point	No information.
Auto-ignition temperature	No information.
Decomposition temperature	No information.
pH	9 — 9.5
Viscosity	No information.
Solubility	No information.
Partition coefficient	No information.
Vapour pressure	No information.
Density and/or relative density	No information.
Relative vapour density	No information.
Particle characteristics	No information.

### 9.2 OTHER INFORMATION

Explosive properties	No information.
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## SECTION 10: STABILITY AND REACTIVITY

### 10.1 Reactivity

No information.

### 10.2 Chemical stability

Product is stable under normal conditions of use, recommended handling and storage conditions.

### 10.3 Possibility of hazardous reactions

No information.

### 10.4 Conditions to avoid

No information.

### 10.5 Incompatible materials

No information.

### 10.6 Hazardous decomposition products

Under normal use conditions no hazardous decomposition products are expected. In case of fire/explosion vapours/gases that pose a health hazard are released.

## SECTION 11: TOXICOLOGICAL INFORMATION

### 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

#### (a) Acute toxicity

For components

Name	Exposure route	Type	Species	Time	value	Method	Remark
Aqua	oral	ATE	/	/	20000000 mg/kg bw	/	/
Urea	oral	LD <sub>50</sub>	rat	/	14300 mg/kg	OECD 401	/
CETEARYL ALCOHOL	oral	LD <sub>50</sub>	rat	/	> 2000 mg/kg	/	/
CETEARYL ALCOHOL	dermal	LD <sub>50</sub>	rat	/	> 2000 mg/kg	/	/
CETEARETH-20	oral	LD <sub>50</sub>	rat	/	> 5000 mg/kg	OECD 401	Literature study
CETEARETH-20	dermal	LD <sub>50</sub>	rat	/	> 5000 mg/kg	OECD 402	Literature study
tetrasodium ethylenediaminetetraacetate	oral	LD <sub>50</sub>	rat	/	> 2000 mg/kg	/	/
PARAFFINUM LIQUIDUM	oral	LD <sub>50</sub>	rat	/	> 5000 mg/kg	OECD 401	/
PARAFFINUM LIQUIDUM	dermal	LD <sub>50</sub>	rabbit	/	> 5000 mg/kg	OECD 402	/
PARAFFINUM LIQUIDUM	inhalation (dusts/mists)	LC <sub>50</sub>	rat	4 h	> 5 mg/l	OECD 403	/
2-phenoxyethanol	oral	LD <sub>50</sub>	rat	/	1260 mg/kg	/	/
2-phenoxyethanol	dermal	LD <sub>50</sub>	rat	/	14422 mg/kg	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	oral	LD <sub>50</sub>	rat	/	2000 mg/kg	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	inhalation (dusts/mists)	LC <sub>50</sub>	rat	4 h	3.07 mg/l	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	dermal	LD <sub>50</sub>	rat	/	2000 mg/kg	/	/

Additional information

Harmful if swallowed. Harmful if inhaled.

**(b) Skin corrosion/irritation**

For components

Name	Species	Time	result	Method	Remark
Urea	rabbit	/	No irritant effect.	OECD 404	/
CETEARETH-20	rabbit	/	Non-irritant.	OECD 404	/
PARAFFINUM LIQUIDUM	/	/	Prolonged exposure may irritate the skin and cause local redness.	/	/
PARAFFINUM LIQUIDUM	/	/	Repeated contact may cause skin irritation and localized redness.	/	/
2-phenoxyethanol	rabbit	24 h	Mild irritating.	/	/

**Additional information**

Causes severe skin burns and eye damage.

**(c) Serious eye damage/irritation**

For components

Name	Exposure route	Species	Time	result	Method	Remark
Urea	/	rabbit	/	No irritant effect.	OECD 405	/
CETEARETH-20	/	rabbit	/	Non-irritant.	OECD 405	/
tetrasodium ethylenediaminetetraacetate	/	/	/	/	/	Classification: Irritant
PARAFFINUM LIQUIDUM	/	/	/	May cause moderate eye irritation. It can cause a moderate corneal injury.	/	/
2-phenoxyethanol	/	rabbit	/	Irritating.	/	/

**(d) Respiratory or skin sensitisation**

For components

Name	Exposure route	Species	Time	result	Method	Remark
tetrasodium ethylenediaminetetraacetate	dermal	guinea pig	/	Non sensitising.	OECD 406	Test was carried out on a similar product.
PARAFFINUM LIQUIDUM	dermal	/	/	Sensitizing (guinea pig).	/	mineral oil (CAS 8042-47-5)
2-phenoxyethanol	-	guinea pig	/	It does not cause sensitization on laboratory animals.	/	maximisation test

**Additional information**

The product is not classified as sensitising.

**(e) (Germ cell) mutagenicity**

For components

Name	Type	Species	Time	result	Method	Remark
Urea	in-vitro mutagenicity	/	/	Not genotoxic.	Ames test	/
Urea	/	/	/	Not mutagenic.	Ames test	/
tetrasodium ethylenediaminetetraacetate	/	/	/	Not mutagenic.	/	/
PARAFFINUM LIQUIDUM	in-vitro mutagenicity	/	/	Negative.	/	/
2-phenoxyethanol	in-vivo mutagenicity	/	/	No mutagenic effect was found in tests with bacteria and mammalian cell culture.	/	/

**(f) Carcinogenicity**

For components

Name	Exposure route	Type	Species	Time	value	result	Method	Remark
Urea	oral	/	rat	/	/	There is no evidence of carcinogenic effects.	NCI study	/
tetrasodium ethylenediamin etetraacetate	-	/	/	/	/	IARC: The International Agency for Research on Cancer didn't classify any of the ingredients in this product that are present in a concentration of $\geq 1\%$ as a substance that is a likely, a possible or a confirmed carcinogen for humans.	/	/
PARAFFINUM LIQUIDUM	/	/	animals	/	/	No carcinogenic effect	/	/
PARAFFINUM LIQUIDUM	/	/	/	/	/	IARC 1: Carcinogenic to humans.	/	unrefined and medium-refined oils
PARAFFINUM LIQUIDUM	/	/	/	/	/	IARC 3: Not classifiable as to carcinogenicity to humans.	/	highly refined oils

**(g) Reproductive toxicity****For components**

Name	Reproductive toxicity type	Type	Species	Time	value	result	Method	Remark
Urea	Reproductive toxicity	oral	rat	/	500 mg/kg	Lowest level of a visible effect	/	/
tetrasodium ethylenediamin etetraacetate	Teratogenicity	-	/	/	/	Only large quantities would cause defects.	/	/
2-phenoxyethanol	Reproductive toxicity	/	/	/	/	Animal testing did not show any effects on fertility.	/	/

**Summary of evaluation of the CMR properties**

The product is not classified as carcinogenic, mutagenic or toxic for reproduction.

**(h) STOT-single exposure**

No information.

**Additional information**

May cause respiratory irritation.

**(i) STOT-repeated exposure****For components**

Name	Exposure route	Type	Species	Time	Exposure organ	value	result	Method	Remark	
Urea	oral	NOAEL	rat	365 days	/	/	2250 mg/kg	No toxic effects are to be expected.	NCI study	/
PARAFFINUM LIQUIDUM	inhalation	-	/	/	/	/	/	Excessive exposure may cause irritation of the upper respiratory tract (nose and throat).	/	/

PARAFFINUM LIQUIDUM	/	/	/	/	/	/	/	Overexposure to mineral oil magnet can cause lung damage (lipoid pneumonia).	/	/
PARAFFINUM LIQUIDUM	/	/	animals	/	/	liver, spleen, kidneys	/	/	/	Excessive re-exposure to mineral mists can cause lung damage

## Additional information

STOT RE (repeated exposure): Not classified.

## (j) Aspiration hazard

## For components

Name	result	Method	Remark
tetrasodium ethylenediaminetetraacetate	ASPIRATION HAZARD	/	/
PARAFFINUM LIQUIDUM	May be fatal if swallowed and enters airways.	/	/

## Additional information

Aspiration hazard: Not classified.

## Symptoms related to the physical, chemical and toxicological characteristics

No information.

## Interactive effects

No information.

## 11.2 Information on other hazards

## Endocrine disrupting properties

No information.

## Other information

No information.

## SECTION 12: ECOLOGICAL INFORMATION

## 12.1 Toxicity

## Acute (short-term) toxicity

## For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
2-aminoethanol	LC <sub>50</sub>	349 mg/L	96 h	fish	<i>Cyprinus carpio</i>	EU C.1	/
2-aminoethanol	EC <sub>50</sub>	65 mg/L	48 h	crustacea	<i>Daphnia magna</i>	EU C.1	/
Urea	LC <sub>50</sub>	> 6810 mg/L	96 h	fish	<i>Leuciscus idus</i>	/	/
Urea	EC <sub>50</sub>	> 10000 mg/L	24 h	crustacea	<i>Daphnia magna</i>	/	static system
CETEARYL ALCOHOL	LC <sub>50</sub>	> 100 mg/L	96 h	fish	<i>Carassius auratus</i>	/	/
CETEARYL ALCOHOL	EC <sub>50</sub>	> 100 mg/L	48 h	crustacea	<i>Daphnia</i>	/	/
CETEARYL ALCOHOL	EC <sub>50</sub>	> 100 mg/L	72 h	algae	/	/	/

CETEARETH-20	LC <sub>50</sub>	1 - 10 mg/L	96 h	fish	<i>Leuciscus idus</i>	OECD 203	/
CETEARETH-20	EC <sub>50</sub>	1 - 10 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
CETEARETH-20	EC <sub>50</sub>	10 - 100 mg/L	/	algae	/	/	Increase rate
CETEARETH-20	EC <sub>0</sub>	> 5000 mg/L	/	bacteria	/	/	/
tetrasodium ethylenediaminetetraacetate	LC <sub>50</sub>	135 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	static system
tetrasodium ethylenediaminetetraacetate	EC <sub>50</sub>	> 100 mg/L	48 h	<i>Daphnia</i>	<i>Daphnia magna</i>	/	/
PARAFFINUM LIQUIDUM	LC <sub>50</sub>	> 100 mg/L	/	fish	<i>Pimephales promelas</i>	/	/
PARAFFINUM LIQUIDUM	LC <sub>50</sub>	> 10000 mg/L	96 h	fish	<i>Lepomis macrochirus</i>	/	/
PARAFFINUM LIQUIDUM	EL <sub>50</sub>	1000 - 10000 mg/L	48 h	crustacea	<i>Daphnia magna</i>	/	/
PARAFFINUM LIQUIDUM	EL <sub>50</sub>	> 100 mg/L	72 h	algae	<i>Pseudokirchneriella subcapitata</i>	/	/
2-phenoxyethanol	LC <sub>50</sub>	> 100 mg/L	96 h	fish	<i>Leuciscus idus</i>	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	LC <sub>50</sub>	60.2 mg/L	96 h	fish	/	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	EC <sub>50</sub>	78.3 mg/L	48 h	aquatic invertebrates	/	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	ErC <sub>50</sub>	84.3 mg/L	72 h	algae	/	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	EC <sub>50</sub>	2.1 mg/L	72 h	fish	/	/	/

### Chronic (long-term) toxicity For components

Name	Type	value	Exposure time	Species	organism	Method	Remark
Urea	NOEC	47 mg/l	8 days	algae	<i>Microcystis aeruginosa</i>	/	/
CETEARETH-20	EC <sub>10</sub>	> 1 mg/l	/	algae	/	/	/
tetrasodium ethylenediaminetetraacetate	NOEC	≥ 36.9 mg/l	35 days	fish	<i>Brachydanio rerio</i>	OECD 210	/
tetrasodium ethylenediaminetetraacetate	NOEC	25 mg/l	21 days	Magna Daphnia	<i>Daphnia magna</i>	OECD 211	/
2-phenoxyethanol	NOEC	23 mg/l	34 days	fish	<i>Pimephales promelas</i>	/	/
2-phenoxyethanol	NOEC	9.43 mg/l	21 days	crustacea	<i>Daphnia magna</i>	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	LC <sub>50</sub>	8.5 mg/l	35 days	fish	/	/	/

## 12.2 Persistence and degradability

### Abiotic degradation, physical- and photo-chemical elimination

#### For components

Name	Environment	Type / Method	Half Time	Evaluation	Method	Remark
tetrasodium ethylenediaminetetraacetate	water	hydrolysis	/	not expected	/	/

#### Biodegradation

## For components

Name	Type	Rate	Time	Evaluation	Method	Remark
Urea	biodegradability	96 %	16 days	readily biodegradable	OECD 302 B	activated sludge
CETEARYL ALCOHOL	biodegradability	> 60 %	28 days	readily biodegradable	OECD 301 F	/
tetrasodium ethylenediaminetetraacetate	BOD5	50 mg O <sub>2</sub> /g	/	/	/	/
tetrasodium ethylenediaminetetraacetate	COD	260 mg O <sub>2</sub> /g	/	/	/	/
PARAFFINUM LIQUIDUM	biodegradability	82 %	24 days	readily biodegradable	OECD 301F	/
2-phenoxyethanol	biodegradability	%	/	readily biodegradable	/	/
3-(2-ethylhexyloxy)propane-1,2-diol	oxygen depletion	8.2 %	5 days	/	/	ECHA

## 12.3 Bioaccumulative potential

## Partition coefficient

## For components

Name	Media	value	Temperature °C	pH	Concentration	Method
tetrasodium ethylenediaminetetraacetate	Log Pow	5.01	/	/	/	/
PARAFFINUM LIQUIDUM	Log Pow	> 3.5	/	/	/	Estimated value
2-phenoxyethanol	Log Pow	1.2	23	7	/	OECD 107
3-(2-ethylhexyloxy)propane-1,2-diol	log Kow	2.53	20	/	/	/

## Bioconcentration factor (BCF)

## For components

Name	Species	organism	value	Duration	Evaluation	Method	Remark
tetrasodium ethylenediaminetetraacetate	BCF	/	1.8	/	/	/	/
PARAFFINUM LIQUIDUM	-	/	/	/	Translation required (81973)	/	/
2-phenoxyethanol	bioaccumulation	/	/	/	Bioaccumulation is not expected (log Pow <= 4).	/	/

## 12.4 Mobility in soil

## Known or predicted distribution to environmental compartments

No information.

## Surface tension

No information.

## Adsorption/Desorption

## For components

Name	Type	Criterion	value	Evaluation	Method	Remark
tetrasodium ethylenediaminetetraacetate	Soil	log KOC	1046	(KOC) Low potential	/	/
tetrasodium ethylenediaminetetraacetate	Soil	Henry constant (H)	Pa.m <sup>3</sup> / mol	/	/	/

PARAFFINUM LIQUIDUM	Soil	/	> 5000	Low mobility.	/	Koc, estimation
2-phenoxyethanol	Water	/	/	Does not evaporate from the water surface into the atmosphere.	/	/

### 12.5 Results of PBT and vPvB assessment

No evaluation.

### 12.6 Endocrine disrupting properties

No information.

### 12.7 Other adverse effects

No information.

### 12.8 Additional information

#### For product

Product is not classified as dangerous for environment. Do not allow to reach ground water, water courses or sewage system.

#### For components

##### **tetrasodium ethylenediaminetetraacetate**

Does not contain any organic halogens. Do not release untreated into watercourses. Microorganisms/effects on activated sludge: 50 mg/L No bioaccumulation expected.

##### **PARAFFINUM LIQUIDUM**

This substance is not included in the list attached to the Montreal Protocol on Substances that Deplete the Ozone Layer. This substance is not considered to be persistent, bioaccumulative and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulative (vPvB). LC50/EC50/IC50 > 100 mg/l at the most sensitive species.

##### **2-phenoxyethanol**

Water hazard class 1 (Self-assessment): slightly hazardous for water This substance is not PBT-/vPvB..

## SECTION 13: DISPOSAL CONSIDERATIONS

### 13.1 Waste treatment methods

#### Product / Packaging disposal

##### Waste chemical

Do not allow product to reach drains/sewage systems. Disposal must be made according to official regulations: deliver it to authorised collector/remover/transformer of hazardous waste.

##### Waste codes / waste designations according to LoW

No information.

##### Packaging

Deliver completely emptied containers to approved waste disposal authorities. Uncleaned containers are classified as hazardous waste - they should be handled in the same manner as the contents.

##### Waste codes / waste designations according to LoW

No information.

##### Waste treatment-relevant information

No information.



**Sewage disposal-relevant information**

No information.

**Other disposal recommendations**

No information.

**SECTION 14: TRANSPORT INFORMATION**

ADR/RID	IMDG	IATA	ADN
<b>14.1 UN number or ID number</b>			
Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.	Not dangerous according to transport regulations.
<b>14.2 UN proper shipping name</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
<b>14.3 Transport hazard class(es)</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
<b>14.4 Packing group</b>			
Not given/not applicable	Not given/not applicable	Not given/not applicable	Not given/not applicable
<b>14.5 Environmental hazards</b>			
NO	NO	NO	NO
<b>14.6 Special precautions for user</b>			
Limited quantities Not given/not applicable	Limited quantities Not given/not applicable		Limited quantities Not given/not applicable
<b>14.7 Maritime transport in bulk according to IMO instruments</b>			
	Not given/not applicable		

**SECTION 15: REGULATORY INFORMATION****15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

- Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (including last amendment Commission Regulation (EU) 2020/878)

- Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures

Information according 2004/42/EC about limitation of emissions of volatile organic compounds (VOC-guideline)  
not applicable

Regulation EC 648/2004 on detergents

No information.

**Special instructions**

Observe the regulations on employment and protection against dangerous substances for young people, pregnant women and nursing mothers.

**15.2 Chemical Safety Assessment**

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

## SECTION 16: OTHER INFORMATION

### Indication of changes

No information.

### Key literature references and sources for data

No information.

### Abbreviations and acronyms

ATE - Acute Toxicity Estimate

ADR - Agreement concerning the International Carriage of Dangerous Goods by Road

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways

CEN - European Committee for Standardisation

C&L - Classification and Labelling

CLP - Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008

CAS# - Chemical Abstracts Service number

CMR - Carcinogen, Mutagen, or Reproductive Toxicant

CSA - Chemical Safety Assessment

CSR - Chemical Safety Report

DMEL - Derived Minimal Effect Level

DNEL - Derived No Effect Level

DPD - Dangerous Preparations Directive 1999/45/EC

DSD - Dangerous Substances Directive 67/548/EEC

DU - Downstream User

EC - European Community

ECHA - European Chemicals Agency

EC-Number - EINECS and ELINCS Number (see also EINECS and ELINCS)

EEA - European Economic Area (EU + Iceland, Liechtenstein and Norway)

EEC - European Economic Community

EINECS - European Inventory of Existing Commercial Substances

ELINCS - European List of notified Chemical Substances

EN - European Standard

EQS - Environmental Quality Standard

EU - European Union

Euphrac - European Phrase Catalogue

EWC - European Waste Catalogue (replaced by LoW – see below)

GES - Generic Exposure Scenario

GHS - Globally Harmonized System

IATA - International Air Transport Association

ICAO-TI - Technical Instructions for the Safe Transport of Dangerous Goods by Air

IMDG - International Maritime Dangerous Goods

IMSBC - International Maritime Solid Bulk Cargoes

IT - Information Technology

IUCLID - International Uniform Chemical Information Database

IUPAC - International Union for Pure Applied Chemistry

JRC - Joint Research Centre

Kow - octanol-water partition coefficient

LC50 - Lethal Concentration to 50 % of a test population

LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose)

LE - Legal Entity

LoW - List of Wastes (see <http://ec.europa.eu/environment/waste/framework/list.htm>)

LR - Lead Registrant

M/I - Manufacturer / Importer

MS - Member States

MSDS - Material Safety Data Sheet

OC - Operational Conditions

OECD - Organization for Economic Co-operation and Development

OEL - Occupational Exposure Limit

OJ - Official Journal

OR - Only Representative

OSHA - European Agency for Safety and Health at work

PBT - Persistent, Bioaccumulative and Toxic substance

PEC - Predicted Effect Concentration

PNEC(s) - Predicted No Effect Concentration(s)  
PPE - Personal Protection Equipment  
(Q)SAR - Qualitative Structure Activity Relationship  
REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006  
RID - Regulations concerning the International Carriage of Dangerous Goods by Rail  
RIP - REACH Implementation Project  
RMM - Risk Management Measure  
SCBA - Self-Contained Breathing Apparatus  
SDS - Safety data sheet  
SIEF - Substance Information Exchange Forum  
SME - Small and Medium sized Enterprises  
STOT - Specific Target Organ Toxicity  
(STOT) RE - Repeated Exposure  
(STOT) SE - Single Exposure  
SVHC - Substances of Very High Concern  
UN - United Nations  
vPvB - Very Persistent and Very Bioaccumulative

**List of relevant H phrases**

H301 Toxic if swallowed.  
H302 Harmful if swallowed.  
H311 Toxic in contact with skin.  
H312 Harmful in contact with skin.  
H314 Causes severe skin burns and eye damage.  
H315 Causes skin irritation.  
H318 Causes serious eye damage.  
H319 Causes serious eye irritation.  
H331 Toxic if inhaled.  
H332 Harmful if inhaled.  
H335 May cause respiratory irritation.  
H412 Harmful to aquatic life with long lasting effects.