

Trade name: Euxyl PE 9010

Substance number: 270610

Version: 2 / CH

Date revised: 25.06.2025

Replaces Version: 1 / CH

Print date: 25.06.25

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

1.1. Product identifier

Euxyl PE 9010

Item No. 27061000

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

Use of the substance/preparation

Preservative for cosmetics

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Acute Tox. 4 H302

Eye Dam. 1 H318

STOT SE 3 H335

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word

Danger

Hazard statements ***

H302 Harmful if swallowed.

H318 Causes serious eye damage.

H335 May cause respiratory irritation.

Precautionary statements ***

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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P280 Wear protective gloves/protective clothing/eye protection/face protection.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 Immediately call a POISON CENTER or doctor.
P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains *** 2-phenoxyethanol; 3-(2-ethylhexyloxy)propane-1,2-diol

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****3.2. Mixtures****Hazardous ingredients *******2-phenoxyethanol**

CAS No.	122-99-6	
EINECS no.	204-589-7	
Registration no.	05-2114631859-35-0000	
Concentration	>= 69	%
Classification (Regulation (EC) No. 1272/2008)		
	Acute Tox. 4	H302
	Eye Dam. 1	H318
	STOT SE 3	H335

ATE	oral	1'394	mg/kg
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3-(2-ethylhexyloxy)propane-1,2-diol

CAS No.	70445-33-9	
EINECS no.	408-080-2	
Concentration	>= 10	< 25 %
Classification (Regulation (EC) No. 1272/2008)		
	Eye Dam. 1	H318
	Aquatic Chronic 3	H412

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Take off contaminated clothing and shoes immediately.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well.

After eye contact

Small splashes in the eyes can cause irreversible tissue damage and blindness. In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Summon a doctor immediately. Continue to rinse eyes during transport to hospital. Shield unaffected eye.

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After ingestion

Do not induce vomiting. If individual is drowsy or unconscious place in recovery position (on left side, with head down). Summon a doctor immediately.

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Water, Dry powder, Foam, Carbon dioxide

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂)

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Wear protective equipment

6.2. Environmental precautions

Do not discharge into surface waters/groundwater. Do not discharge into the subsoil/soil.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder). When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Handle and open container with care. Avoid contact with skin, eyes and clothing. Avoid formation of aerosols. Avoid inhaling dusts/ billows/ steams. Observe safety references and application instructions mentioned on can. Provide good ventilation of working area (local exhaust ventilation if necessary).

Advice on protection against fire and explosion

Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep only in original packaging. Keep tightly closed in a dry and cool place. Protect from exposure to light.

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

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Storage category (Switzerland)

8

Caustic and corrosive substances

Further information on storage conditions

Protect from direct sunlight. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection *****8.1. Control parameters****Exposure limit values *******2-phenoxyethanol**

List	SUVA			
Type	MAK			
Value	110	mg/m ³	20	ppm(V)
Short term exposure limit	220	mg/m ³	40	ppm(V)
Skin resorption / sensibilisation: H; Pregnancy group: S; Remarks: H SSc; Auge, OAWKT HU; BIA				

Derived No/Minimal Effect Levels (DNEL/DMEL)**2-phenoxyethanol**

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	20.83			mg/kg

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	5.7			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Worker			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Local effects			
Concentration	5.7			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Long term			
Route of exposure	dermal			
Mode of action	Systemic effects			
Concentration	10.42			mg/kg

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Long term			
Route of exposure	inhalative			
Mode of action	Systemic effects			
Concentration	2.41			mg/m ³

Type of value	Derived No Effect Level (DNEL)			
Reference group	Consumer			
Duration of exposure	Long term			

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Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	9.23	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Short term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	9.23	mg/kg

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

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Acute	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	1.55	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0.875	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	1	mg/kg

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	0.109	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	0.5	mg/kg

Predicted No Effect Concentration (PNEC)**2-phenoxyethanol**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.943	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0.0943	mg/kg

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Type of value	PNEC	
Type	Freshwater sediment	
Concentration	7.2366	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0.7237	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	1.26	mg/kg
Type of value	PNEC	
Type	Water (intermittent release)	
Concentration	3.44	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	24.8	mg/l

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

Type of value	PNEC	
Type	Freshwater	
Concentration	0.15	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0.015	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	0.19	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	0.019	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	0.894	mg/kg
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	5.6	mg/l

8.2. Exposure controls**Respiratory protection**

Breathing apparatus in the event of vapours. Self-contained breathing apparatus. EN 14387

Hand protection ***

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	Butyl rubber - Butyl
Material thickness	> 0.5 mm

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Breakthrough time 480 min
Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses; Eye protection must comply with EN 166.

Body protection

Protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Physical state** liquid**Colour** colourless**Odour** characteristic**Freezing point**

Value appr. 5 °C

Boiling point or initial boiling point and boiling range

Value > 100 °C

Flash point

Value > 100 °C

Method DIN EN 22719 / ISO 2719

pH value

Value 6 to 8

Concentration/H₂O 10 g/l

Temperature 20 °C

Viscosity**dynamic**

Value 28 mPa.s

Vapour pressure

Remarks not determined

Density and/or relative density

Value 1.0871 to 1.0923 g/ml

Temperature 20 °C

9.2. Other information**Solubility in water**

Value 10 g/l

Temperature 20 °C

Efflux time

Value < 15 s

Temperature 20 °C

Method DIN 53211 4 mm

Explosive properties

evaluation no

Oxidising properties

evaluation None known

Surface tension

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Value	34	mN/m
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SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Protect from frost. Keep away from sources of heat and ignition. Protect from direct sunlight.

10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	1'548.88	mg/kg
	89	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**2-phenoxyethanol**

Species	rat	
LD50	1850	mg/kg

2-phenoxyethanol

ATE	1394	mg/kg
Source	ECHA	

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

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 401	

Acute dermal toxicity (Components)**2-phenoxyethanol**

LD50	> 2000	mg/kg
Remarks	Based on available data, the classification criteria are not met.	

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

Species	rat	
LD50	> 2000	mg/kg
Method	OECD 402	

Acute inhalative toxicity (Components)**2-phenoxyethanol**

Species	rat	
LC50		
Remarks	Based on available data, the classification criteria are not met.	

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

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Species	rat	
LC50	3.07	mg/l
Method	OECD 403	
Remarks	Harmful by inhalation.	

Skin corrosion/irritation (Components)**2-phenoxyethanol**

evaluation	non-irritant
Method	OECD 404

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

evaluation	slightly irritant
Method	OECD 404

Serious eye damage/irritation (Components)**2-phenoxyethanol**

Species	rabbit
evaluation	irritant - risk of serious damage to eyes
Method	OECD 405

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

evaluation	irritant - risk of serious damage to eyes
Method	OECD 405

Sensitization (Components)**2-phenoxyethanol**

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

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

Method	OECD 406
Remarks	No sensitisation effect known.

Mutagenicity (Components)**2-phenoxyethanol**

evaluation	No experimental information on genotoxicity in vitro available.
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3-(2-ethylhexyloxy)propane-1,2-diol

evaluation	No mutagenicity in the Ames-test.
Method	OECD 471

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

Method	OECD 474
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Reproduction toxicity (Components)**2-phenoxyethanol**

Remarks	None
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11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****2-phenoxyethanol**

Species	golden orfe (Leuciscus idus)
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LC50 > 100 mg/l
Duration of exposure 96 h

2-phenoxyethanol

Species Fathead minnow (*Pimephales promelas*)
NOEC 23 mg/l

2-phenoxyethanol

Species Fathead minnow (*Pimephales promelas*)
LC50 344 mg/l

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

Species zebra fish (*Brachydanio rerio*)
LC50 60.2 mg/l

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

Species zebra fish (*Brachydanio rerio*)
NOEC 1.5 mg/l
Duration of exposure 35 d
Method OECD 210

Daphnia toxicity (Components)**2-phenoxyethanol**

EC50 > 500 mg/l
Duration of exposure 48 h

2-phenoxyethanol

Species *Daphnia magna*
NOEC 9.43 mg/l
Duration of exposure 21 d

2-phenoxyethanol

Species *Daphnia magna*
LC50 488 mg/l
Duration of exposure 48 h

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

Species *Daphnia magna*
EC50 78.3 mg/l
Duration of exposure 48 h

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

Species *Daphnia magna*
NOEC 20 mg/l
Method OECD 211

Algae toxicity (Components)**2-phenoxyethanol**

Species *Desmodesmus subspicatus*
EC50 > 500 mg/l
Duration of exposure 72 h

2-phenoxyethanol

Species *Desmodesmus subspicatus*
EC50 > 100 mg/l

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

Species *Desmodesmus subspicatus*
IC50 48.3 mg/l
Duration of exposure 72 h

Bacteria toxicity (Components)**2-phenoxyethanol**

Species *Pseudomonas putida*
EC10 360 mg/l

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

EC50 560 mg/l

Method OECD 209

12.2. Persistence and degradability**Biodegradability (Components)****2-phenoxyethanol**

Value 90 to 100 %

Duration of test 15 d

Method OECD 301

Remarks The product is readily biodegradable according to OECD criteria.

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

evaluation biodegradable

Method OECD 302B/ISO 9888/EEC 88/302,C

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow) (Components)****2-phenoxyethanol**

log Pow 1.16

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

log Pow 2.53

12.4. Mobility in soil**General information**

There is no data available on the product apart from the information given in this subsection.

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment *****

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

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SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class WGK 1

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302	Harmful if swallowed.
H318	Causes serious eye damage.
H335	May cause respiratory irritation.
H412	Harmful to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic, Category 3
Eye Dam. 1	Serious eye damage, Category 1
STOT SE 3	Specific target organ toxicity - single exposure, Category 3

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***
This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.