

Trade name: Euxyl PE 9010

Substance number: 270610

Version: 1 / CH

Date revised: 08.07.2019

Replaces Version: - / CH

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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)

Eye Dam. 1 H318

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

H318 Causes serious eye damage.

Precautionary statements

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

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.

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

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contains 3-(2-Ethylhexyloxy)propane-1,2-diol

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients

2-Phenoxyethanol

CAS No.	122-99-6				
EINECS no.	204-589-7				
Concentration	>= 50	<	92	%	
Classification (Regulation (EC) No. 1272/2008)					
	Acute Tox. 4		H302		
	Eye Irrit. 2		H319		

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

Water

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

After ingestion

Take medical treatment.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water, Dry powder, Foam, Carbon dioxide

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

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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.

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original packaging.

Hints on storage assembly

Foodstuffs

Storage classes

Storage class according to TRGS 510	10	Flammable liquids
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; Status: 2017; Remarks: H SSc; Auge, OAWKT HU; BIA

8.2. Exposure controls

Hand protection

Use	Short-term hand contact
Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Use	Permanent hand contact
Appropriate Material	Butyl rubber - Butyl
Material thickness	0.7 mm
Breakthrough time	> 480 min

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

SECTION 9: Physical and chemical properties

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9.1. Information on basic physical and chemical properties

Form	liquid			
Colour	almost colourless			
Odour	characteristic			
pH value				
Value	6	to	8	
Concentration/H ₂ O	10	g/l		
Temperature	20	°C		
Freezing point				
Value	appr. 5			°C
Initial boiling point and boiling range				
Value	> 100			°C
Flash point				
Value	> 100			°C
Method	DIN EN 22719 / ISO 2719			
Vapour pressure				
Remarks	not determined			
Density				
Value	1.0871	to	1.0923	g/ml
Temperature	20	°C		
Solubility in water				
Value	10			g/l
Temperature	20	°C		
Viscosity				
dynamic				
Value	28			mPa.s
Efflux time				
Value	< 15			s
Temperature	20	°C		
Method	DIN 53211 4 mm			
Explosive properties				
evaluation	no			

9.2. Other information

Surface tension			
Value	34		mN/m

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.

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10.5. Incompatible materials

None

10.6. Hazardous decomposition products

None

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

ATE	2'021.85	mg/kg
	79	
Method	calculated value (Regulation (EC) No. 1272/2008)	

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

Species	rat	
LD50	1850	mg/kg

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

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

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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

Mutagenicity (Components)**2-Phenoxyethanol**

evaluation No experimental information on genotoxicity in vitro available.

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

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

2-Phenoxyethanol

Species Fathead minnow (*Pimephales promelas*)
NOEC 23 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

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

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Duration of exposure 72 h

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

Species Desmodesmus subspicatus

IC50 48.3 mg/l

Duration of exposure 72 h

Bacteria toxicity (Components)**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**Evaluation of persistence and bioaccumulation potential**

The Substance doesn't meet PBT/vPvB-criteria

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

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

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 (Germany) WGK 1

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.
 H319 Causes serious eye 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
 Eye Irrit. 2 Eye irritation, Category 2

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.