

Trade name: Phenoxyethanolum

Substance number: 077010

Version: 4 / CH

Date revised: 24.06.2025

Replaces Version: 3 / CH

Print date: 24.06.25

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

1.1. Product identifier

Phenoxyethanolum

Item No. 07701000

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

Use of the substance/preparation

Preservative, Manufacture of cosmetics, Manufacture of pharmaceutical products

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

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****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

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

Remove contaminated clothing immediately and dispose of safely.

After inhalation

Remove the casualty into fresh air and keep him calm. Summon a doctor immediately.

After skin contact

Wash off immediately with soap and water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately. Do not induce vomiting.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically. A specific antidote is not known.

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

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Suitable extinguishing media

Water spray jet, Foam, Dry powder

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Avoid inhalation of smoke and vapours. In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO₂); In case of combustion, evolution of health hazardous partially burned gases. Can build mixtures of gas and air which are capable of explosion. Under certain fire conditions the smoke may contain other toxic compounds.

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

Use self-contained breathing apparatus. Wear full protective suit.

Other information

Cool endangered containers with water spray jet. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

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

Use personal protective clothing. Ensure adequate ventilation. Avoid contact with eyes and skin.

6.2. Environmental precautions

Retain and dispose of contaminated wash water. Advise water authority if spillage has entered water course or drainage system. Do not discharge into surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr). For large amounts: take up with appropriate instrument and dispose. Dispose of absorbed material in accordance with the regulations.

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**

No special requirements.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking. Take action to prevent static discharges. Procure extinguisher

7.2. Conditions for safe storage, including any incompatibilities**Recommended storage temperature**

Value	20	40	°C
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Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Storage rooms must be properly ventilated. Keep only in original packaging.

Hints on storage assembly

Do not store with oxidizing agents.

Storage classes

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Storage class according to TRGS 510 10
Storage category (Switzerland) 8

Flammable liquids
Caustic and corrosive substances

Further information on storage conditions

Protect from direct sunlight.

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				

8.2. Exposure controls**General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Do not inhale vapours. Provide adequate ventilation. Remove contaminated, soaked clothing immediately and dispose of safely.

Respiratory protection

Breathing apparatus in the event of vapours. Short term: filter apparatus; combination filter A-P2; Breathing apparatus in the event of aerosol or mist formation. Particle filter P2

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	nitrile rubber - NBR
Material thickness	0.4 mm
Breakthrough time	> 30 min
Appropriate Material	Polyethylene
Material thickness	0.1 mm
Breakthrough time	> 480 min

Eye protection

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

Body protection

Light protective clothing

SECTION 9: Physical and chemical properties *****9.1. Information on basic physical and chemical properties**

Physical state Liquid, slightly viscous

Colour colourless

Boiling point or initial boiling point and boiling range

Value	244	to	246	°C
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Upper and lower explosive limits

Lower explosion limit	1.4	%(V)
Upper explosion limit	9.0	%(V)

Flash point

Value	121	°C
Method	closed cup	

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pH value

Value 6.0 to 7.0

Solubility(ies) ***

Ethanol

Acetone

Vapour pressure

Value 0.01 hPa

Temperature 20 °C

Density and/or relative densityValue 1.105 to 1.11 g/cm³

Remarks Relative Density according specification

9.2. Other information**Odour threshold**

Remarks not determined

Solubility in water ***

Remarks Difficult to dissolve

Oxidising properties

Remarks non flammable

SECTION 10: Stability and reactivity**10.1. Reactivity**

None known

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 heat and direct sunlight. Protect from light and atmospheric moisture. Protect from exposure to air/oxygen (peroxide formation).

10.5. Incompatible materials

Strong oxidising agents, Acids, Alkalis

10.6. Hazardous decomposition products

Peroxides

Other information

Vapours and gases can form an explosive mixture with air.

SECTION 11: Toxicological information *****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**ATE 1'394 mg/kg
Method calculated value (Regulation (EC) No. 1272/2008)**Acute oral toxicity (Components)****2-phenoxyethanol**

Species rat

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LD50 1850 mg/kg

2-phenoxyethanol

ATE 1394 mg/kg

Source ECHA

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

LD50 > 2000 mg/kg

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

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

Species rat

LC50

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

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

evaluation non-irritant

Method OECD 404

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

Species rabbit

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.

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

Remarks None

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

Experience in practice

Inhalation of the vapours causes irritation of the respiratory tract and mucous membrane, headaches, nausea, giddiness, vomiting.

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

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2-phenoxyethanol

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

2-phenoxyethanol

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

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

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

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

Species	Pseudomonas putida
EC10	360 mg/l

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.			

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

log Pow	1.16
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12.4. Mobility in soil**General information**

No data available

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

The Substance does not meet PBT-criteria.

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This substance does not meet the vPvB-criteria.

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

Behaviour in sewers [waste treatment plants]

When low concentrations are discharged correctly into adapted biological sewage treatment plants, disturbance of the degradation activity of activated sludge is not likely.

General information / ecology

Do not release into waterways untreated.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

In accordance with regulations for special waste, must be taken, after pretreatment, to an authorised special waste disposal site.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

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.

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.
H335 May cause respiratory irritation.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4
Eye Dam. 1 Serious eye damage, Category 1

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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.