



Trade name: Phenoxyethanolum

Substance number: 077010

Version: 2 / CH

Date revised: 16.12.11

Replaces Version: - / CH

Date of printing: 21.08.12

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

Phenoxyethanolum

Item-No. 07701000

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 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

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 Irrit. 2 H319

Classification in accordance with EC directives

Classification Xn, R22

Xi, R36

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

Precautionary statements

P264.2 Wash skin thoroughly after handling.

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

P280.1 Wear 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.

P301+P312 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

P337+P313 If eye irritation persists: Get medical advice/attention.



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Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols

Harmful

R phrases

22	Harmful if swallowed.
36	Irritating to eyes.

S phrases

26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
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Hazardous component(s) to be indicated on label

contains	2-Phenoxyethanol
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3. Composition/information on ingredients**Hazardous ingredients****2-Phenoxyethanol**

CAS No.	122-99-6			
EINECS no.	204-589-7			
Concentration		>=	50	%
Classification	Xn, R22 Xi, R36			

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

Acute Tox. 4	H302
Eye Irrit. 2	H319

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.). Begin with 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**



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Treat symptomatically. A specific antidote is not known.

5. Firefighting measures

5.1. Extinguishing media

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.

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, chapter 8. Information regarding Waste Disposal, see chapter 13.

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 - refrain from smoking. Take precautionary measures against static charges. Procure extinguisher

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 20 40 °C

Requirements for storage rooms and vessels



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

Hints on storage assembly

Do not store with oxidizing agents.

VCI storage category

VCI storage category 10 Combustible liquids, if not classified in LGK 3 A or 3 B

Further information on storage conditions

Protect from direct sunlight.

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)
Maximum limit value: 4x15; Skin resorption / sensibilisation: H; Pregnancy group: C; Status: 2005;				

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

Observe the usual precautions when 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

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

Eye protection

Safety glasses with side protection shield

Body protection

Light protective clothing

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

Form	liquid
Colour	colourless
Odour	slight, original odour

Odour threshold

Remarks	Not determined
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pH

Value	7	
Temperature	20	°C



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Melting point

Value	appr.	9.1		°C
Pressure		1.013	hPa	

Boiling point

Value		244.3		°C
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Flash point

Value	appr.	126		°C
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Explosion limits

Lower explosion limit		1.4		%(V)
Upper explosion limit		9.0		%(V)
Remarks		Not determined		
method		DIN 51649		

Vapour pressure

Value		0.01		hPa
Temperature		20	°C	

Density

Value	appr.	1.11		g/cm ³
Temperature		20	°C	

Solubility in water

Value		24		g/l
Temperature		20	°C	

Solubility in other solvents

Methanol
Ethanol
Acetone

Octanol/water partition coefficient (log Pow)

log Pow		1.13		
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Ignition temperature

Value	>	475		°C
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Viscosity**dynamic**

Value	appr.	41		mPa.s
Temperature		19.8	°C	
method		Brookfield		
Value		19		mPa.s
Temperature		40.5	°C	

Oxidising properties

Remarks		non flammable		
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10. Stability and reactivity**10.4. Conditions to avoid**

Protect from heat and direct sunlight. Protect from light and atmospheric moisture. No decomposition if stored and applied as directed. Protect from exposure to air/oxygen (peroxide formation).

10.5. Incompatible materials

Strong oxidising agents

10.6. Hazardous decomposition products

Peroxides



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Other information

Vapours and gases can form an explosive mixture with air.

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

Species	rat		
LD50	2740		mg/kg
method	BASF-test		
Species	rat		
LD50	1260		mg/kg
Source	RTECS		

Acute dermal toxicity

Species	rabbit		
	5000		mg/kg

Acute inhalational toxicity

Species	rat		
Duration of exposure	8		h
Remarks	None		

Skin corrosion/irritation

Species	rabbit		
method	OECD 404		
Remarks	No effect of irritation known.		

Serious eye damage/irritation

Species	rabbit		
method	OECD 405		
Remarks	Irritates the eyes.		

Sensitization

Species	guinea pig		
method	OECD 406		
Remarks	No sensitisation effect known.		

Mutagenicity

Remarks	None		
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Reproduction toxicity

Remarks	None		
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Carcinogenicity

Remarks	No data available.		
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Experience in practice

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

12. Ecological information**12.1. Toxicity****Fish toxicity**

Species	Fathead minnow (<i>Pimephales promelas</i>)		
LC50	344		mg/l
Duration of exposure	96		h
Species	Fathead minnow (<i>Pimephales promelas</i>)		



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NOEC	23		mg/l
Duration of exposure	34	d	
Remarks	The details of the toxic effect relate to the nominal concentration.		

Daphnia toxicity

EC50	>	500	mg/l
Duration of exposure		48	h
Species	Daphnia magna		
NOEC		9.43	mg/l
Duration of exposure		21	d

Algae toxicity

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

Bacteria toxicity

Species	activated sludge		
EC20		620	mg/l
Duration of exposure		30	min
Species	Pseudomonas putida		
EC10		320	mg/l
Duration of exposure		17	h
method	DIN 38412 Part 8		

12.2. Persistence and degradability**Biodegradability**

Value	90	to	100	%
Duration of test	15	d		
method	OECD 301 A			
Remarks	The product is readily biodegradable according to OECD criteria.			

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow)**

log Pow	1.13
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12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential**

Due to the distribution coefficient n-octanol/water, accumulation in organisms is not to be expected.

12.6. 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.

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.



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14. Transport information

Land transport ADR/RID

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.

15. Regulatory information

16. Other information

R-phrases listed in chapter 3

22 Harmful if swallowed.
36 Irritating to eyes.

Hazard statements listed in chapter 3

H302 Harmful if swallowed.
H319 Causes serious eye irritation.

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.