

Trade name: Propylenglycolum

Substance number: 077100

Version: 3 / CH

Date revised: 01.05.2019

Replaces Version: 2 / CH

Print date: 01.10.19

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

1.1. Product identifier

Propylenglycolum

Item No. 07710000

Registration no.

EC No.: 200-338-0

Registration no. 01-2119456809-23

CAS No. 57-55-6

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

Use of the substance/preparation

Chemical, industry, Cleaning agent, Reagent for analyses

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

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

SECTION 3: Composition/information on ingredients

3.1. Substances

Molecular weight

Value 76.11 g/mol

Further ingredients

Propane-1,2-diol

CAS No. 57-55-6

EINECS no. 200-338-0

Concentration >= 95 %

Advice: [4]

Note

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[4] Voluntary information

Other information

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

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

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment. If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

After contact with skin, wash immediately with plenty of water.

After eye contact

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

After ingestion

Do not give milk. Rinse mouth thoroughly with water. Do not induce vomiting. Summon a doctor immediately.

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

Disorientation, Headache, Shivering, Allergic symptoms

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

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

5.2. Special hazards arising from the substance or mixtureDevelopment of toxic gases; In the event of fire the following can be released: Carbon dioxide (CO₂); Water**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

Other information

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 breathing apparatus if exposed to vapours/dust/aerosol. Use personal protective clothing.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust).

6.4. Reference to other sections

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

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disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Provide good ventilation of working area (local exhaust ventilation if necessary). Keep container tightly closed.

Advice on protection against fire and explosion

Keep away from sources of ignition - No smoking.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place.

Hints on storage assembly

Do not store together with: Metals, Do not store with combustible materials. Do not store with oxidizing agents.

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

Further information on storage conditions

Protect from heat and direct sunlight.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

Propane-1,2-diol

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	50	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Concentration	168	mg/m ³

Predicted No Effect Concentration (PNEC)

Propane-1,2-diol

Type of value	PNEC	
Type	Soil	
Concentration	50	mg/kg

Type of value	PNEC	
Type	Saltwater	
Concentration	26	mg/l

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

Observe the usual precautions for handling chemicals.

Respiratory protection

Self-contained breathing apparatus. Full mask, filter A

Hand protection

Rubber gloves

Appropriate Material

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.

Eye protection

Safety glasses

Body protection

protective overalls; Boots

SECTION 9: Physical and chemical properties *****9.1. Information on basic physical and chemical properties****Form** liquid**Colour** colourless**Odour** odourless**Melting point**

Value -60 °C

Initial boiling point and boiling range

Value 189 °C

Flash point

Value 98.9 °C

Upper/lower flammability or explosive limits

Lower explosion limit 2.6 %(V)

Upper explosion limit 12.6 %(V)

Vapour pressure

Value 0.07 hPa

Vapour density

Value 2.62

DensityValue 1.04 g/cm³**Solubility in water**

Remarks soluble

Partition coefficient: n-octanol/water

log Pow -0.92

Ignition temperature

Value 400 °C

9.2. Other information**Other information**

The product is not dangerous for explosions.

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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

To avoid thermal decomposition, do not overheat. Heat. Flames. Sparks

10.5. Incompatible materials

Reactions with metals, with evolution of hydrogen. Incompatible with: Strong oxidising agents, Metals

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide, Toxic gases/vapours

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Propane-1,2-diol

Species	rat		
LD50		20000	mg/kg

Propane-1,2-diol

Species	rat		
LD50		6660	mg/kg
Remarks	intraperitoneal		

Propane-1,2-diol

Species	mouse		
LD50		9718	mg/kg
Remarks	intraperitoneal		

Acute dermal toxicity (Components)

Propane-1,2-diol

Species	rabbit		
		20800	mg/kg

Skin corrosion/irritation

evaluation	irritant effect possible
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Serious eye damage/irritation

evaluation	irritant effect possible
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Sensitization

Remarks	May cause sensitization by skin contact.
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Mutagenicity

Remarks	negative
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Reproductive toxicity

Remarks	negative
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Carcinogenicity

Remarks	negative
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SECTION 12: Ecological information ***

12.1. Toxicity

Fish toxicity (Components)

Propane-1,2-diol

Species	Fathead minnow (<i>Pimephales promelas</i>)		
NOEC	52930		mg/l
Duration of exposure	96	h	

Daphnia toxicity (Components)

Propane-1,2-diol

Species	Daphnia		
NOEC	13020		mg/l

Propane-1,2-diol

Species	Daphnia magna		
EC50	> 10000		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)

Propane-1,2-diol

Remarks	No data available.
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12.2. Persistence and degradability

Biodegradability

evaluation	Readily biodegradable
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12.3. Bioaccumulative potential

Partition coefficient: n-octanol/water

log Pow	-0.92
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12.5. Results of PBT and vPvB assessment

Evaluation of persistence and bioaccumulation potential ***

The product contains no PBT or vPvB substances.

12.6. Other adverse effects

General information / ecology

In general not water hazardous.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

EWC waste code	Small amounts can be disposed together with rubbish.
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Disposal recommendations for packaging

Disposal in compliance with local and national regulations.

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 been carried out.

SECTION 16: Other information**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.