

Trade name: Glycerolum 99.5%

Substance number: 073900

Version: 6 / CH

Date revised: 27.01.2025

Replaces Version: 5 / CH

Print date: 27.01.25

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

Glycerolum 99.5%

Item No. 07390000

**Substance / product identification**

CAS-No. 56-81-5

EINECS-No. 200-289-5

INCI Glycerin

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/preparation**

Chemical for synthesis, Cosmetics, pharmacy, Food

**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.

**2.3. Other hazards**

No special hazards have to be mentioned.

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 \*\*\*****3.1. Substances****Molecular weight**

Value 92.09 g/mol

**Further ingredients \*\*\*****Glycerol**

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Concentration

&gt;= 95 %

Advice: [4]

**Note**

[4] Voluntary information

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

Adhere to personal protective measures when giving first aid. Take medical treatment.

**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. Remove contaminated clothing. Consult a doctor if skin irritation persists.

**After eye contact**

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

**After ingestion**

Do not induce vomiting. Take medical treatment. If swallowed, rinse mouth with water (only if the person is conscious).

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

Treat symptomatically

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

Carbon dioxide, Dry powder, water jet. Extinguish greater fire with water spray or alcohol-resistant foam. Extinguishing measures to suit surroundings

**Non suitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**In case of fires, hazardous combustion gases are formed; Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

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

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

High risk of slipping due to leakage/spillage of product. Keep away sources of ignition. Wear protective equipment. Keep away unprotected persons.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater. In case the product spills into sewage

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waters, immediately inform the authorities.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (eg sand, kieselguhr). Take up mechanically and collect in suitable container for 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

Keep away sources of ignition. Smoking, eating and drinking should be prohibited in application area.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Recommended storage temperature

Value	5	40	°C
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#### Requirements for storage rooms and vessels

Suitable materials: plastic materials. Use steel containers. Use aluminium containers.

#### Hints on storage assembly

Do not store with oxidizing agents. Peroxides, Do not store with strong alkalies.

#### Storage classes

Storage class according to TRGS 510	10	Flammable liquids
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#### Further information on storage conditions

Product is hygroscopic. Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from light. Protect from heat.

### 7.3. Specific end use(s)

Cosmetics; pharmacy; Food

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Exposure limit values

##### Glycerol

List	SUVA	
Type	MAK	
Value	50	mg/m <sup>3</sup>
Short term exposure limit	100	mg/m <sup>3</sup>
Pregnancy group: S;	Remarks: SSc; OAWKT AN	

### 8.2. Exposure controls

#### Exposure controls

Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction.

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals. Avoid contact with eyes. Provide washing facilities at the place of work. Wash hands before breaks and after work. Do not eat or drink during work time.

#### Respiratory protection

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Provide good ventilation of working area (local exhaust ventilation if necessary). Breathing apparatus in the event of aerosol or mist formation. Gas filterA.

**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.

Hand protection must comply with EN 374.

Appropriate Material	butyl
Appropriate Material	Polyethylene
Appropriate Material	neoprene
Appropriate Material	Natural Latex
Appropriate Material	PVC
Appropriate Material	nitrile rubber - NBR

**Eye protection**

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

**Body protection**

necessary; Clothing as usual in the chemical industry. Protective shoes

**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**

<b>Physical state</b>	liquid		
<b>Colour</b>	colourless		
<b>Odour</b>	odourless		
<b>Melting point</b>			
Value	18.17		°C
<b>Boiling point or initial boiling point and boiling range</b>			
Value	290		°C
<b>Flash point</b>			
Value	> 180		°C
<b>Ignition temperature</b>			
Value	429		°C
<b>Decomposition temperature</b>			
Value	appr. 250		°C
<b>pH value</b>			
Value	7		
<b>Viscosity</b>			
<b>dynamic</b>			
Value	1.412		mPa.s
Temperature	20	°C	
<b>Vapour pressure</b>			
Value	< 0.1		hPa
Temperature	20	°C	
<b>Density and/or relative density</b>			
Value	1.26		g/cm <sup>3</sup>
Temperature	20		

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**Relative vapour density**

Value	appr.	3.1	g/cm <sup>3</sup>
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**9.2. Other information****Solubility in water**

Remarks	soluble
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**Other information**

The product is not dangerous for explosions.

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

Strong oxidising agents

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

If product is heated above decomposition temperature toxic vapours may be released.

**10.4. Conditions to avoid**

Heat. Flames. Sparks. Sensitive to moisture.

**10.5. Incompatible materials**

Strong oxidising agents

**10.6. Hazardous decomposition products**

In the event of fire the following can be released: Carbon monoxide and carbon dioxide, acrylaldehyde , Peroxides

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

Species	rat		
LD50		12600	mg/kg

**Glycerol**

Species	rat		
NOAEL		1310	mg/kg

**Glycerol**

Species	rat		
LD50		27200	mg/kg

**Acute dermal toxicity (Components)****Glycerol**

Species	guinea pig		
LD50		56750	mg/kg

**Acute inhalative toxicity (Components)****Glycerol**

Remarks	No data available
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**Skin corrosion/irritation (Components)****Glycerol**

Species	rabbit
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Duration of exposure 24 h  
evaluation slightly irritant

**Serious eye damage/irritation (Components)****Glycerol**

Species rabbit  
Duration of exposure 24 h  
evaluation slightly irritant

**Sensitization (Components)****Glycerol**

evaluation non-sensitizing

**Subacute, subchronic, chronic toxicity (Components)****Glycerol**

Remarks No data available.

**Mutagenicity (Components)****Glycerol**

evaluation No mutagenicity in the Ames-test.  
Remarks Based on available data, the classification criteria are not met.

**Glycerol**

evaluation No mutagenicity according to various in vitro tests.

**Glycerol**

evaluation No experimental information on genotoxicity in vitro available.  
Method OECD 471

**Reproduction toxicity (Components)****Glycerol**

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

**Carcinogenicity (Components)****Glycerol**

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

**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.

**Other information**

By appropriate use of the product no health damage is known.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity (Components)****Glycerol**

Median 68100 mg/l  
Duration of exposure 96 h

**Glycerol**

Species rainbow trout (*Oncorhynchus mykiss*)  
LC50 54 g/l  
Duration of exposure 96 h

**Daphnia toxicity (Components)****Glycerol**

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Species	Daphnia	
EC50	10	g/l

**Algae toxicity**

Remarks	No data available.
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**Bacteria toxicity (Components)****Glycerol**

Species	Pseudomonas putida	
EC5	> 10	g/l
Duration of exposure	16 h	

**12.2. Persistence and degradability****Biodegradability (Components)****Glycerol**

evaluation	Readily biodegradable
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**12.3. Bioaccumulative potential****Octanol/water partition coefficient (log Pow) (Components)****Glycerol**

log Pow	-1.75
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**12.4. Mobility in soil****Mobility in soil (Components)****Glycerol**

Slightly mobile in soils
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**12.5. Results of PBT and vPvB assessment****Results of PBT and vPvB assessment**

The Substance does not meet PBT-criteria.

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****General information / ecology**

Do not allow it to reach ground water, water bodies or sewage system.

**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	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      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**

### **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.