

Trade name: Glycerolum 85%

Substance number: 073800

Version: 7 / CH

Date revised: 19.05.2025

Replaces Version: 6 / CH

Print date: 19.05.25

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

### **1.1. Product identifier**

Glycerolum 85%

Item No. 07380000

#### **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**

pharmacy, food additive, Cosmetics, Chemical for synthesis

### **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 product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

### **3.2. Mixtures**

#### **Further ingredients \*\*\***

##### **Glycerol**

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EINECS no. 200-289-5

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Registration no.	EXCEMPT				
Concentration		>=	50	%	
Advice: [4]					

**water**

CAS No.	7732-18-5				
EINECS no.	231-791-2				
Concentration		>=	10	<	25 %
Advice: [4]					

**Note**

[4] Voluntary information

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

Seek medical advice immediately. Remove contaminated, soaked clothing immediately and dispose of safely.

**After inhalation**

Remove the casualty into fresh air and keep him calm. If necessary, give oxygen. Heat. 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**

Wash off immediately with soap and water and rinse well.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Seek medical advice immediately.

**After ingestion**

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

**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. Extinguishing measures to suit surroundings

**Non suitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Acrolein

**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.

**Other information**

Cool endangered containers with water spray jet.

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## **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. Advise water authority if spillage has entered water course or drainage system. Separate using oil separator.

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

Pick up with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). 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 protection against fire and explosion**

Keep away from sources of ignition - No smoking.

### **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**

Keep only in original packaging. Use steel containers. Use aluminium containers. plastic materials

#### **Hints on storage assembly**

Do not store with oxidizing agents. Peroxides, Acids, Halogens

#### **Storage classes**

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

Product is hygroscopic. Protect from atmospheric moisture and water. Protect from heat and direct sunlight. Keep container tightly closed, cool and dry.

## **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**

#### **General protective and hygiene measures**

Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes. Provide washing facilities at the place of work. Wash hands before breaks and after work.

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**Respiratory protection**

In case of insufficient ventilation, wear suitable respiratory equipment. Particle filter A/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	>=	0.11	mm
Breakthrough time	<=	480	min

Hand protection must comply with EN 374.

**Eye protection**

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

**Body protection**

Clothing as usual in the chemical industry. Protective shoes

**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>	pleasant

**Melting point**

Value	appr.	18	°C
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**Boiling point or initial boiling point and boiling range**

Value	130	to	290	°C
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**Flammability**

Not applicable

**Flash point**

Value	>	100	°C
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**Ignition temperature**

Value	429	°C
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**Decomposition temperature**

Value	appr.	250	°C
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**pH value**

Value	6	to	8
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**Viscosity****dynamic**

Value	1412	mPa.s
Temperature	20	°C

**Partition coefficient n-octanol/water (log value)**

log Pow	-1.76
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**Vapour pressure**

Value	<	0.1	Pa
Temperature	20	°C	

**Density and/or relative density**

Value	1.23	g/cm <sup>3</sup>
Temperature	20	°C

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**9.2. Other information****Solubility in water**

Remarks soluble

**Other information**

The product is not dangerous for explosions.

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

heat

**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**

To avoid thermal decomposition, do not overheat. Oxidising agents

**10.5. Incompatible materials**

Development of toxic gases/vapours. Incompatible with: Strong oxidising agents, peroxides, Acids, Halogens

**10.6. Hazardous decomposition products**

Toxic gases/vapours, Flammable gases/vapours, acrylaldehyde

**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

**Skin corrosion/irritation (Components)****Glycerol**

Species	rabbit		
Duration of exposure		24	h
evaluation		slightly irritant	

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

Species	rabbit
Duration of exposure	24 h
evaluation	slightly irritant

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

Remarks	No data available.
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**Subacute, subchronic, chronic toxicity (Components)****Glycerol**

Remarks	No data available.
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**Mutagenicity (Components)****Glycerol**

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

**Glycerol**

evaluation	No experimental information on genotoxicity in vitro available.
Method	OECD 476

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

Remarks	Based on available data, the classification criteria are not met.
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**Carcinogenicity (Components)****Glycerol**

Remarks	Based on available data, the classification criteria are not met.
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**11.2 Information on other hazards****Endocrine disrupting properties with respect to humans**

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

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

Median	68100	mg/l
Duration of exposure	96 h	

**Glycerol**

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

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

Species	Daphnia
EC50	> 10 g/l
Duration of exposure	24 h

**Glycerol**

Species	Daphnia
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LC50	1955	mg/l
Duration of exposure	48 h	

**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****General information**

Warning - substance not yet fully tested.

**Partition coefficient n-octanol/water (log value)**

log Pow	-1.76
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**Octanol/water partition coefficient (log Pow) (Components)****Glycerol**

log Pow	-1.76
Source	GESTIS-Stoffdatenbank

**12.4. Mobility in soil****Mobility in soil**

Slightly mobile in soils

**Mobility in soil (Components)****Glycerol**

Slightly mobile in soils

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

The product contains no PBT substances

The product contains no vPvB substances.

**12.6 Endocrine disrupting properties****Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code	No not dispose with rubbish.
EWC waste code	Should not be released into the sanitary sewer system.

**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	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.