

Trade name: Glycerolum 85%

Substance number: 073800

Version: 6 / CH

Date revised: 30.08.2021

Replaces Version: 5 / CH

Print date: 30.08.21

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.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Further ingredients ***

Glycerol

CAS No. 56-81-5

EINECS no. 200-289-5

Concentration >= 50 %

Advice: [4]

water

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

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.

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.

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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 ³
Short term exposure limit	100	mg/m ³
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.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Full mask, filter A

Hand protection

Protective gloves	
Appropriate Material	nitrile rubber - NBR

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Material thickness \geq 0.11 mm**Eye protection**

Tightly fitting safety glasses

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**

Form	liquid			
Colour	colourless			
Odour	pleasant			
pH value				
Value	6	to	8	
Melting point				
Value	appr. 18			°C
Initial boiling point and boiling range				
Value	130	to	290	°C
Flash point				
Value	> 100			°C
Flammability (solid, gas)				
Remarks	Not applicable			
Vapour pressure				
Value	< 0.1			Pa
Temperature	20	°C		
Density				
Value	1.23			g/cm ³
Temperature	20	°C		
Solubility in water				
Remarks	soluble			
Partition coefficient: n-octanol/water				
log Pow	-1.76			
Ignition temperature				
Value	429			°C
Decomposition temperature				
Value	appr. 250			°C
Viscosity				
dynamic				
Value	1.412			mPa.s
Temperature	20	°C		

9.2. Other information**Other information**

The product is not dangerous for explosions.

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

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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 toxicological effects****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		
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**

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

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Glycerol

Remarks No data available.

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.

Carcinogenicity (Components)**Glycerol**

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

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

	Medi	68100		mg/l
	an			
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	

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

12.3. Bioaccumulative potential**General information**

Warning - substance not yet fully tested.

Partition coefficient: n-octanol/water

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**Evaluation of persistence and bioaccumulation potential (Components)****Glycerol**

The Substance doesn't meets PBT/vPvB-criteria

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

	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: ***

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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.