

Trade name: Polysorbatum 80

Substance number: 267380

Version: 9 / CH

Date revised: 16.11.2023

Replaces Version: 8 / CH

Print date: 16.11.23

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

Polysorbatum 80

Item No. 26738000

**Substance / product identification \*\*\***

INCI Polysorbate 80

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

Nonionic surfactant

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

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

Eye Dam. 1 H318

Aquatic Chronic 3 H412

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

**2.2. Label elements****Labelling according to regulation (EC) No 1272/2008****Hazard pictograms \*\*\*****Signal word \*\*\***

Danger

**Hazard statements \*\*\***

H318 Causes serious eye damage.

H412 Harmful to aquatic life with long lasting effects.

**Precautionary statements \*\*\***

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P273 Avoid release to the environment.  
 P280 Wear protective gloves/protective clothing/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.  
 P310 Immediately call a POISON CENTER or doctor.  
 P501.3 Disposal in compliance with local and national regulations.

**Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)**

contains \*\*\* Sorbitan monooleate, ethoxylated

**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****Hazardous ingredients \*\*\*****Sorbitan monooleate, ethoxylated**

CAS No.	9005-65-6		
EINECS no.	500-019-9		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Eye Dam. 1		H318
	Aquatic Chronic 3		H412

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

No special measures necessary.

**After inhalation**

Ensure supply of fresh air. In the event of symptoms take medical treatment.

**After skin contact**

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

**After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

**After ingestion**

Take medical treatment.

**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 mixture**

None known

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### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighting

No special measures required.

## **SECTION 6: Accidental release measures**

### 6.1. Personal precautions, protective equipment and emergency procedures

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 waters, immediately inform the authorities.

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

Pick up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr). Neutralize. When picked up, treat material as prescribed under Section 13 "Disposal".

### 6.4. Reference to other sections

Information regarding Safe handling, see Section 7. 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

No special measures necessary if stored and handled as prescribed.

#### Advice on protection against fire and explosion

No special measures required.

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

#### Requirements for storage rooms and vessels

Store at room temperature. Keep tightly closed in a dry and cool place. Protect from exposure to light.

#### Hints on storage assembly

Not required.

#### Storage classes

Storage class according to TRGS 510	10	Flammable liquids
Storage category (Switzerland)	8	Caustic and corrosive substances

## **SECTION 8: Exposure controls/personal protection**

### 8.1. Control parameters

#### Other information

There is not known any national exposure limit.

### 8.2. Exposure controls

#### Exposure controls

See Section 7. No measures exceeding the ones mentioned necessary.

#### General protective and hygiene measures

Observe the usual precautions for handling chemicals.

#### Respiratory protection

Not necessary.

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**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	>=	0.3	mm
Breakthrough time	>	480	min
Appropriate Material	PVC		
Material thickness	>=	0.3	mm
Breakthrough time	>	480	min

**Eye protection**

Tightly fitting safety glasses

**Body protection**

Clothing as usual in the chemical industry.

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

<b>Physical state</b>	liquid		
<b>Colour</b>	yellowish		
<b>Odour</b>	almost odourless		
<b>Freezing point</b>			
Value	<	0.0	°C
<b>Boiling point or initial boiling point and boiling range</b>			
Remarks	not determined		
<b>Flash point</b>			
Value	>	150	°C
<b>Decomposition temperature</b>			
Remarks	No decomposition if used as prescribed.		
<b>pH value</b>			
Value	appr.	6	
Concentration/H <sub>2</sub> O		10	%
<b>Viscosity ***</b>			
Remarks	not determined		
<b>Partition coefficient n-octanol/water (log value)</b>			
Remarks	not determined		
<b>Vapour pressure</b>			
Remarks	not determined		
<b>Density and/or relative density</b>			
Value	appr.	1.08	g/cm <sup>3</sup>
Temperature		25	°C
<b>Relative vapour density</b>			
Remarks	not determined		

**9.2. Other information****Odour threshold**

Remarks not determined

**Solubility in water**

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Remarks not determined

**Auto-ignition temperature**

Remarks Not applicable

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

No dangerous reactions known.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

None

**10.6. Hazardous decomposition products**

No hazardous decomposition products known.

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

Species	rat		
LD50	>	38000	mg/kg

**Skin corrosion/irritation (Components)****Sorbitan monooleate, ethoxylated**

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

**Serious eye damage/irritation (Components)****Sorbitan monooleate, ethoxylated**

evaluation irritant - risk of serious damage to eyes

**Sensitization (Components)****Sorbitan monooleate, ethoxylated**

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

**Mutagenicity (Components)****Sorbitan monooleate, ethoxylated**

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

**Reproduction toxicity (Components)****Sorbitan monooleate, ethoxylated**

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

**Carcinogenicity (Components)****Sorbitan monooleate, ethoxylated**

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

**Specific Target Organ Toxicity (STOT) (Components)****Sorbitan monooleate, ethoxylated**

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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

#### General information

There is no data available on the product apart from the information given in this subsection.

#### Fish toxicity (Components)

##### Sorbitan monooleate, ethoxylated

EC50	>	100	mg/l
Source		Literature value	

### 12.2. Persistence and degradability

#### General information

There is no data available on the product apart from the information given in this subsection.

### 12.3. Bioaccumulative potential

#### General information

There is no data available on the product apart from the information given in this subsection.

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

Remarks not determined

### 12.4. Mobility in soil

#### General information

There is no data available on the product apart from the information given in this subsection.

### 12.5. Results of PBT and vPvB assessment

#### General information

There is no data available on the product apart from the information given in this subsection.

#### 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

There is no data available on the product apart from the information given in this subsection.

#### General information / ecology

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system. Product is slightly hazardous to water.

## SECTION 13: Disposal considerations \*\*\*

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**13.1. Waste treatment methods****Disposal recommendations for the product \*\*\***

EWC waste code 16 03 05\* organic wastes containing dangerous substances  
 Disposal in compliance with local and national regulations.

**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
<b>14.1. UN number</b>	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****Hazard statements listed in Chapter 3**

H318 Causes serious eye damage.  
 H412 Harmful to aquatic life with long lasting effects.

**CLP categories listed in Chapter 3**

Aquatic Chronic 3 Hazardous to the aquatic environment, chronic, Category 3  
 Eye Dam. 1 Serious eye damage, Category 1

**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.