

Trade name: Macrogolum 35000(FLUKA)

Substance number: 265950

Version: 4 / CH

Date revised: 02.03.2026

Replaces Version: 3 / CH

Print date: 02.03.26

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

### **1.1. Product identifier**

Macrogolum 35000(FLUKA)

Item No. 26595000

#### **Substance / product identification**

CAS-No. 25322-68-3

INCI PEG-800

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

#### **Use of the substance/preparation**

Manufacture of cosmetics, Manufacture of pharmaceutical products, industry

### **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**

Dust can form an explosive mixture with air.

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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**

### **Molecular weight**

Value appr. 35000 g/mol

### **Further ingredients**

**Polyethyleneglycols (PEG)**

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CAS No. 25322-68-3  
EINECS no. 500-038-2  
Concentration >= 95 %  
Advice: [3]

**Note**

[3] Substance with occupational exposure limits

**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**

Remove the casualty into fresh air and keep him calm. Seek medical advice immediately.

**After skin contact**

In case of contact with skin wash off with water.

**After eye contact**

In case of contact with eyes rinse thoroughly with water.

**After ingestion**

No special measures required.

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

Water spray jet, Dry powder, Foam, Carbon dioxide

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

Carbon monoxide (CO)

**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

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

Use personal protective clothing. Avoid dust formation. Ensure adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter drains or waterways.

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

Pick up mechanically.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Avoid the formation and deposition of dust. Provide good ventilation of working area (local exhaust ventilation if necessary).

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

### Recommended storage temperature

Value	10	25	°C
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### Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

### Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. Keep at temperature not exceeding 30 °C.

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

### 8.1. Control parameters

#### Exposure limit values

##### Polyethyleneglycols (PEG)

List	SUVA	
Type	MAK	
Value	500	mg/m <sup>3</sup>
Pregnancy group: S Remarks: SSc; KG		

#### Derived No/Minimal Effect Levels (DNEL/DMEL)

##### Polyethyleneglycols (PEG)

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	66.667	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	117.544	mg/m <sup>3</sup>

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	28.986	mg/m <sup>3</sup>

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	
Duration of exposure	Long term	
Route of exposure	dermal	
Mode of action	Systemic effects	
Concentration	33.333	mg/kg/d

Type of value	Derived No Effect Level (DNEL)	
Reference group	General Population	

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Duration of exposure	Long term	
Route of exposure	oral	
Mode of action	Systemic effects	
Concentration	16.667	mg/kg/d

**Predicted No Effect Concentration (PNEC)****Polyethyleneglycols (PEG)**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.016	mg/l
Type of value	PNEC	
Type	Freshwater	
Conditions	Intermittend	
Concentration	0.159	mg/l
Type of value	PNEC	
Type	Saltwater	
Concentration	0.002	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	77.063	mg/l
Type of value	PNEC	
Type	Freshwater sediment	
Concentration	15.91	mg/kg
Type of value	PNEC	
Type	Marine sediment	
Concentration	15.91	mg/kg
Type of value	PNEC	
Type	Soil	
Concentration	4.423	mg/kg

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

Avoid contact with skin and eyes. Do not breathe dust. Observe the usual precautions for handling chemicals.

**Respiratory protection**

Use breathing apparatus in dust/fumes/mist-laden atmosphere. Particle filter P2; EN 143

**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.

**Eye protection**

Safety glasses

**Body protection**

Protective clothing

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## **SECTION 9: Physical and chemical properties**

### **9.1. Information on basic physical and chemical properties**

<b>Physical state</b>	Flakes			
<b>Colour</b>	white			
<b>Odour</b>	odourless			
<b>Freezing point</b>				
Value	appr. 60			°C
<b>Boiling point or initial boiling point and boiling range</b>				
Remarks	not determined			
<b>Flash point</b>				
Value	260			°C
Method	DIN 51376			
<b>Auto-ignition temperature</b>				
Value	> 320			°C
Method	DIN 51794			
<b>Decomposition temperature</b>				
Value	360			°C
Source	Analogous			
<b>pH value</b>				
Value	5	to	7	
Concentration/H <sub>2</sub> O	100	g/l		
Temperature	20	°C		
Method	DIN 19268			
<b>Viscosity</b>				
<b>dynamic</b>				
Value	11000	to	14000	mPa.s
Temperature	20	°C		
Method	DIN 53019			
Remarks	aqueous solution 50%			
<b>kinematic</b>				
Value	10000	to	13000	mm <sup>2</sup> /s
Temperature	20	°C		
Method	DIN 51562			
Remarks	aqueous solution 50%			
<b>Partition coefficient n-octanol/water (log value)</b>				
log Pow	<	-1		
<b>Vapour pressure</b>				
Value	<	0.01		mbar
Temperature	20	°C		
<b>Density and/or relative density</b>				
Value	appr. 1.2			g/cm <sup>3</sup>
Method	DIN 51757			
<b>9.2. Other information</b>				
<b>Solubility in water</b>				
Value	appr. 500			g/l
Temperature	20	°C		

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**Bulk density**Value 400 to 500 kg/m<sup>3</sup>**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**

Stable under recommended storage and handling conditions (see section 7).

**10.4. Conditions to avoid**

Keep away from sources of heat and ignition. Sparks. Flames

**10.5. Incompatible materials**

None known

**10.6. Hazardous decomposition products**

None under normal use.

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

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

**Acute oral toxicity (Components)****Polyethyleneglycols (PEG)**

Species	rat		
LD50	>	2000	mg/kg

**Polyethyleneglycols (PEG)**

Species	rat		
LD50	>	15000	mg/kg

**Acute dermal toxicity**

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

**Acute dermal toxicity (Components)****Polyethyleneglycols (PEG)**

Remarks Not documented.

**Acute inhalational toxicity**

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

**Acute inhalative toxicity (Components)****Polyethyleneglycols (PEG)**

Remarks Not documented.

**Skin corrosion/irritation**

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

**Skin corrosion/irritation (Components)****Polyethyleneglycols (PEG)**

evaluation non-irritant

**Serious eye damage/irritation**

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

**Serious eye damage/irritation (Components)****Polyethyleneglycols (PEG)**

evaluation non-irritant

**Sensitization**

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

**Sensitization (Components)****Polyethyleneglycols (PEG)**

Remarks No sensitisation effect known.

**Mutagenicity**

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

**Mutagenicity (Components)****Polyethyleneglycols (PEG)**

evaluation No mutagenicity in the Ames-test.

**Reproductive toxicity**

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

**Carcinogenicity**

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

**Specific Target Organ Toxicity (STOT)****Single exposure**

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

**Repeated exposure**

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

**Aspiration hazard**

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.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity**

Species	golden orfe (Leuciscus idus)	
LC50	> 10	g/l
Duration of exposure	48 h	
Method	DIN 38412 T.15	

**Fish toxicity (Components)****Polyethyleneglycols (PEG)**

Species	golden orfe (Leuciscus idus)	
LC50	> 10	g/l
Duration of exposure	48 h	
Method	DIN 38412 T.15	

**Daphnia toxicity (Components)****Polyethyleneglycols (PEG)**

Remarks No data available.

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**Bacteria toxicity**

EC50	>	1.000	mg/l
Method		OECD 209	

**Bacteria toxicity (Components)****Polyethyleneglycols (PEG)**

EC0	>	12.5	mg/l
Duration of exposure		3	h
Method		OECD 209	

**Polyethyleneglycols (PEG)**

Species		activated sludge	
EC50	>	1000	mg/l
Duration of exposure		3	h
Method		OECD 209	

**12.2. Persistence and degradability****Biodegradability**

Value	<	20	%
evaluation		sparingly degradable	
Method		OECD 302B	

**Biodegradability (Components)****Polyethyleneglycols (PEG)**

Value	>	80	%
Duration of test		28	d
evaluation		Readily biodegradable	
Method		OECD 301	

**Chemical oxygen demand (COD) (Components)****Polyethyleneglycols (PEG)**

Value		1740	mg/g
Method		DIN 38409 T. 41	

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water (log value)**

log Pow	<	-1
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**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****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**

By analogy with a product of similar composition.

**SECTION 13: Disposal considerations**

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**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**

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
<b>14.1. UN number or ID 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 (Germany) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

**Other information \*\*\***The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of  $\geq 0.1\%$  w/w.**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.