

Trade name: Macrogolum 20000(FLUKA)

Substance number: 265900

Version: 4 / CH

Date revised: 25.10.2017

Replaces Version: 3 / CH

Print date: 25.10.17

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

### **1.1. Product identifier**

Macrogolum 20000(FLUKA)

Item No. 26590000

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

CAS-No. 25322-68-3

INCI PEG-450

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

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

Manufacture of cosmetics, Cosmetics, Manufacture of pharmaceutical products, Chemical for synthesis

### **1.3. Details of the supplier of the safety data sheet**

#### **Address**

Hänseler AG

Industriestrasse 35

9101 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**

### **Chemical characterization**

Polyethaleneglycols (PEG)

### **Further ingredients**

**Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

CAS No. 25322-68-3

EINECS no. 500-038-2

Concentration &gt;= 95 %

Advice: [4]

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**Advice:**

[4] Voluntary information

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

Take off contaminated clothing and shoes immediately. In case of accident or if you feel unwell, seek medical advice immediately.

**After inhalation**

Ensure supply of fresh air. 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.

**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**

Water spray jet, Foam, Dry powder, Carbon dioxide

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

In case of fires, hazardous combustion gases are formed; 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. 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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**Advice on protection against fire and explosion**

Keep away from sources of ignition. Take precautionary measures against static discharge. Earthing necessary during loading operations. Dust can form an explosive mixture with air.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value	10	-	25	°C
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**Storage class according to TRGS 510**

Storage class according to TRGS 510	11	Combustible solids
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**Further information on storage conditions**

Keep container tightly closed 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): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

List	SUVA	
Type	MAK	
Value	1000	mg/m <sup>3</sup>
Pregnancy group: S; Status: 2014		

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

Do not breathe dust. Observe the usual precautions for handling chemicals.

**Hand protection**

Chemical resistant gloves

**Eye protection**

Safety glasses

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

<b>Form</b>	Flakes
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<b>Colour</b>	white
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<b>Odour</b>	odourless
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**pH value**

Value	5	to	7
Concentration/H <sub>2</sub> O	100	g/l	
Temperature	20	°C	
Method	DIN 19268		

**Initial boiling point and boiling range**

Remarks	not determined
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**Flash point**

Value	appr. 240	°C
Method	DIN 51376	

**Flammability (solid, gas)**

Not self inflammable

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**Vapour pressure**

Value	<	0.01		mbar
Temperature		20	°C	

**Density**

Value	appr.		to	1.2	g/m <sup>3</sup>
Method		DIN 51757			

**Solubility in water**

Value	appr.	500		g/l
Temperature		20	°C	

**Solubility(ies)**

Remarks	not determined
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**Partition coefficient: n-octanol/water**

log Pow	<	-1
Method	calculated	
Method	Syracuse	

**Ignition temperature**

Value	>	320	°C
Method		DIN 51794	

**Decomposition temperature**

Value	360	°C
Source	Analogous	

**Viscosity****dynamic**

Value	2.700	to	3.500	mPa.s
Temperature	20	°C		
Method	DIN 53019			
Remarks	aqueous solution 50%			

**kinematic**

Value	2.500	to	3.200	mm <sup>2</sup> /s
Temperature	20	°C		
Remarks	aqueous solution 50%			

**Oxidising properties**

Remarks	not determined
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**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**

Heat. Flames. Sparks

**Decomposition temperature**

Value	360	°C
Source	Analogous	

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**10.5. Incompatible materials**

None

**10.6. Hazardous decomposition products**

None under normal use.

**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity (Components)****Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

Species	rat		
LD50	>	15000	mg/kg

**Skin corrosion/irritation (Components)****Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

evaluation	non-irritant
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**Serious eye damage/irritation (Components)****Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

evaluation	non-irritant
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**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity (Components)****Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

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

**Bacteria toxicity (Components)****Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

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

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

Value	>	95	%
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**Biodegradability (Components)****Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

Value	>	95	%
Duration of test	23	d	
Method	DIN 38412 T.24		

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

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**Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl), $\alpha$ -hydro- $\omega$ -hydroxy- Ethane-1,2-diol, ethoxylated**

Value	1740	mg/g
Method	DIN 38409 T. 41	

**12.3. Bioaccumulative potential****Partition coefficient: n-octanol/water**

log Pow	< -1
Method	calculated
Method	Syracuse

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

In accordance with regulations for special waste, must be taken to an authorised special waste disposal site or incineration plant.

**Disposal recommendations for packaging**

Packaging that cannot be cleaned should be disposed off as product waste.

**SECTION 14: Transport information****Land transport ADR/RID**

Non-dangerous goods

**Marine transport IMDG/GGVSee**

The product does not constitute a hazardous substance in sea transport.

**Air transport ICAO/IATA**

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	Classification according to Annex 4 VwVwS

**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.