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 pharmacutical products

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 person responsible for this SDS sdb@haenseler.ch

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 ***

Further ingredients ***

Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated

CAS No. 25322-68-3
EINECS no. 500-038-2
Concentration >= 95 %
Advice: [4]

Advice:
[4] Voluntary information

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).

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value	10	25	°C

Storage class according to TRGS 510

Storage class according to TRGS 510	11	Combustible solids

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): Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated

List	SUVA	
Type	MAK	
Value	1000	mg/m³

Pregnancy group: S; Status: 2014

Derived No/Minimal Effect Levels (DNEL/DMEL)

Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated

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/m³

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/m³

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	
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): Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol,

ethoxylated

Type of value	PNEC	
Type	Freshwater	
Concentration	0.016	mg/l

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.

Hand protection

Protective gloves
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.

Eye protection

Safety glasses

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Form	Flakes				
Colour	white				
Odour	odourless				
pH value					
Value		5	to	7	
Concentration/H2O		100	g/l		
Temperature		20	°C		
Method	DIN 19268				
Freezing point					
Value	appr.	60			°C
Initial boiling point and boiling range					
Remarks	not determined				
Flash point					
Value		260			°C
Method	DIN 51376				
Vapour pressure					
Value	<	0.01			mbar
Temperature		20	°C		
Density					
Value	appr.	1.2			g/cm³
Method	DIN 51757				
Solubility in water					
Value	appr.	500			g/l
Temperature		20	°C		
Partition coefficient: n-octanol/water					
log Pow	<	-1			
Ignition temperature					
Value	>	320			°C
Method	DIN 51794				

Decomposition temperature

Value	360	°C
Source	Analogous	

Viscosity

dynamic

Value	11000	to	14000	mPa.s
Temperature	20	°C		
Method	DIN 53019			
Remarks	aquous solution 50%			

kinematic

Value	10000	to	13000	mm²/s
Temperature	20	°C		
Method	DIN 51562			
Remarks	aquous solution 50%			

9.2. Other information

Bulk density

Value	400	to	500	kg/m³

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

Decomposition temperature

Value	360	°C
Source	Analogous	

10.5. Incompatible materials

None known

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),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated

Species	rat		
LD50	>	15000	mg/kg

Skin corrosion/irritation

evaluation	non-irritant

Serious eye damage/irritation

evaluation	non-irritant

Sensitization

evaluation	non-sensitizing
Source	Literature value

Mutagenicity

evaluation	No mutagenicity in the Ames-test.
Source	Literature value

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): Poly(oxy-1,2-ethanediyl),α-hydro-ω-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

EC50	> 1.000	mg/l
Method	OECD 209	

Bacteria toxicity (Components)

Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl),α-hydro-ω-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	< 20	%
evaluation	sparingly degradable	
Method	OECD 302B	

Chemical oxygen demand (COD) (Components)

Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl),α-hydro-ω-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

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

Evaluation of persistance and bioaccumulation potential (Components)

Polyethyleneglycols (PEG): Poly(oxy-1,2-ethanediyl),α-hydro-ω-hydroxy- Ethane-1,2-diol, ethoxylated

The Substance doesn't meets PBT/vPvB-criterions

12.6. Other adverse effects

General information / ecology

By analogy with a product of similar composition.

SECTION 13: Disposal considerations

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

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

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.