

Trade name: Macrogolum 1500

Substance number: 265730

Version: 5 / CH

Date revised: 16.08.2022

Replaces Version: 4 / CH

Print date: 16.08.22

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

1.1. Product identifier

Macrogolum 1500

Item No. 26573000

Substance / product identification

CAS-No. 25322-68-3

INCI PEG-32

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

Use of the substance/preparation

Manufacture of cosmetics, Chemical for synthesis, Pharmaceutical excipient

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.

SECTION 3: Composition/information on ingredients ***

Chemical characterization

Polyethalenglycols (PEG)

Further ingredients ***

Polyethyleneglycols (PEG)

CAS No. 25322-68-3

EINECS no. 500-038-2

Concentration >= 95 %

Advice: [4]

Note

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[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 persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. Seek medical advice immediately.

After skin contact

After contact with skin, wash immediately with plenty of 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

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

Wear protective equipment. Avoid dust formation. Ensure supply of fresh air.

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).

Advice on protection against fire and explosion

Keep away from sources of ignition. Take action to prevent static discharges. Dust can form an explosive mixture with air.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

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Value	10	25	°C
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Requirements for storage rooms and vessels

Keep container tightly closed in a well-ventilated place. Keep in a cool place.

Storage classes

Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling
Storage class according to TRGS 510	11	hazardous Combustible solids

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****Polyethyleneglycols (PEG)**

List	SUVA	
Type	MAK	
Value	1000	mg/m ³
Pregnancy group: S; Remarks: SSc		

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

Do not breathe dust. Avoid contact with skin. Avoid contact with eyes. 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**

Form	Flakes
Colour	white
Odour	characteristic

pH value

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

Freezing point

Value	44	to	48	°C
Method	European Pharmacopoeia / 2.2.18			

Initial boiling point and boiling range

Remarks not determined

Flash point

Value	270	°C
Method	DIN 51376	

Vapour pressure

Value	< 0.01	mbar
Temperature	20	°C

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Density

Value	1.1	to	1.12	g/cm ³
Temperature	25	°C		
Method	DIN 51757			

Solubility in water

Value	appr. 500			g/l
Temperature	20	°C		

Solubility(ies)

Remarks not determined

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	36	to	42	mPa.s
Temperature	20	°C		
Method	DIN 53019			
Remarks	aqueous solution 50%			

kinematic

Value	33	to	39	mm ² /s
Temperature	20	°C		
Method	DIN 51562			
Remarks	aqueous solution 50%			

Oxidising properties

Remarks not determined

9.2. Other information**Bulk density**

Value	400	to	500	kg/m ³
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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

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

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

10.5. Incompatible materials

No hazardous reactions when stored and handled according to prescribed instructions.

10.6. Hazardous decomposition products

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No hazardous decomposition products known when handled according to prescribed instructions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute oral toxicity (Components)

Polyethyleneglycols (PEG)

Species	rat		
LD50	>	2000	mg/kg

Acute dermal toxicity (Components)

Polyethyleneglycols (PEG)

Remarks	Not documented.
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Acute inhalative toxicity (Components)

Polyethyleneglycols (PEG)

Remarks	Not documented.
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Skin corrosion/irritation (Components)

Polyethyleneglycols (PEG)

evaluation	non-irritant
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Serious eye damage/irritation (Components)

Polyethyleneglycols (PEG)

evaluation	non-irritant
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Sensitization (Components)

Polyethyleneglycols (PEG)

Remarks	No sensitisation effect known.
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Mutagenicity (Components)

Polyethyleneglycols (PEG)

evaluation	No mutagenicity in the Ames-test.
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SECTION 12: Ecological information

12.1. Toxicity

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 (Components)

Polyethyleneglycols (PEG)

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

12.2. Persistence and degradability

Biodegradability (Components)

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Polyethyleneglycols (PEG)

Value	>	80	%
Duration of test evaluation		28	d
Method		Readily biodegradable 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 Pow	<	-1
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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

Dispose of as unused product.

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