

Trade name: Macrogolum 6000 pulvis

Substance number: 265860

Version: 4 / CH

Date revised: 12.09.2023

Replaces Version: 3 / CH

Print date: 12.09.23

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

1.1. Product identifier

Macrogolum 6000 pulvis

Item No. 26586000

Substance / product identification

CAS-No. 25322-68-3

INCI PEG-150

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

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

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 ***

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.

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.

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); Carbon dioxide (CO₂)

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

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

No special measures necessary if used correctly.

Advice on protection against fire and explosion

The product is capable of dust explosions.

7.2. Conditions for safe storage, including any incompatibilities

Recommended storage temperature

Value 10 - 25 °C

Requirements for storage rooms and vessels

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Keep tightly closed in a dry and cool place.

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 ³
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 ³

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 ³

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	

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Concentration	16.667	mg/kg/d
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Predicted No Effect Concentration (PNEC)**Polyethyleneglycols (PEG)**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.016	mg/l

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

Observe the usual precautions for handling chemicals. Do not breathe dust. Keep away from food-stuffs, beverages and feed-stocks.

Respiratory protection

At intensive and longer exposition use self-contained breathing apparatus. Particle filter half mask, filter P2

Hand protection

Chemical resistant gloves
Appropriate Material Gloves / resistant to chemicals

Eye protection

Safety glasses

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

Physical state	Powder	
Colour	white	
Odour	odourless	
Freezing point		
Value	55	to 60 °C
Method	European Pharmacopoeia / 2.2.18	
Boiling point or initial boiling point and boiling range		
Remarks	not determined	
Upper and lower explosive limits		
Remarks	Not applicable	
Flash point		
Value	270	°C
Method	DIN 51376	
Ignition temperature		
Value	> 320	°C
pH value		
Value	5	to 7
Concentration/H ₂ O	100	g/l
Temperature	20	°C
Method	DIN 19268	
Viscosity		
dynamic		
Value	220	to 275 mPa.s
Temperature	20	°C
Method	DIN 53019	

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Remarks aquous solution 50%

kinematic

Value	200	to	250	mm ² /s
Temperature	20	°C		
Method	DIN 51562			
Remarks	aquous solution 50%			

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

pOW < -1

Vapour pressure

Value	<	0.01		mbar
Temperature	20	°C		

Density and/or relative density

Value	appr.	1.2		g/cm ³
Temperature	20	°C		
Method	DIN 51757			

9.2. Other information**Solubility in water**

Value	appr.	500		g/l
Temperature	20	°C		

Oxidising properties

evaluation None known

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

Heat. Flames. Sparks

10.5. Incompatible materials

No decomposition if stored and applied as directed.

10.6. Hazardous decomposition products

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

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

Species rat

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LD50 > 2000 mg/kg

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

Remarks Not documented.

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

Remarks Not documented.

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

evaluation non-irritant

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

evaluation non-irritant

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

Remarks No sensitisation effect known.

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

evaluation No mutagenicity in the Ames-test.

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 (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.

Bacteria toxicity

EC50	>	1.000	mg/l
Duration of exposure		3	h
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

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Duration of exposure 3 h
Method OECD 209

12.2. Persistence and degradability**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)**

pOW < -1

12.4. Mobility in soil**General information**

not determined

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**

No data available

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.

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.

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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 regulations, restrictions and prohibition regulations

VDI 2263 "Dust fires and explosions; Danger, Evaluation, Protection measures".

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.