

Trade name: Macrogolum 400

Substance number: 265700

Version: 4 / CH

Date revised: 21.12.2022

Replaces Version: 3 / CH

Print date: 21.12.22

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

1.1. Product identifier

Macrogolum 400

Item No. 26570000

Substance / product identification

INCI PEG-8

CAS-No. 25322-68-3

EINECS-No. 500-038-2

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

Use of the substance/preparation

Manufacture of cosmetics, industry, pharmacy

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 ***

3.1. Substances

Further ingredients ***

Polyethyleneglycols (PEG)

CAS No. 25322-68-3

EINECS no. 500-038-2

Concentration >= 95 %

Trade name: Macrogolum 400

Substance number: 265700

Version: 4 / CH

Date revised: 21.12.2022

Replaces Version: 3 / CH

Print date: 21.12.22

Advice: [4]

Note

[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

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.

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, Dry powder, Foam, Carbon dioxide

5.2. Special hazards arising from the substance or mixtureIn 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 with absorbent material (eg sand, kieselgur, acid binder, universal binder, sawdust). Flush away residues with water.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7.

SECTION 7: Handling and storage

Trade name: Macrogolum 400

Substance number: 265700

Version: 4 / CH

Date revised: 21.12.2022

Replaces Version: 3 / CH

Print date: 21.12.22

7.1. Precautions for safe handling

Advice on safe handling

No special measures necessary if stored and handled as prescribed.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

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

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

Further information on storage conditions

Keep containers tightly closed in a dry, cool and well-ventilated place. Protect from heat. Keep away from sources of ignition.

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

Trade name: Macrogolum 400

Substance number: 265700

Version: 4 / CH

Date revised: 21.12.2022

Replaces Version: 3 / CH

Print date: 21.12.22

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)**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.016	mg/l

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

Wash hands and face before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing before reuse.

Respiratory protection

Provide good ventilation of working area (local exhaust ventilation if necessary). Full mask, filter A

Hand protection

Appropriate Material	Butyl rubber - Butyl
Material thickness	0.7 mm
Breakthrough time	480 min
Appropriate Material	nitrile rubber - NBR
Material thickness	0.4 mm
Breakthrough time	30 min

Eye protection

Safety glasses

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

Physical state	Liquid
Colour	colourless
Odour	characteristic
Freezing point	
Value	appr. 6 °C
Boiling point or initial boiling point and boiling range	
Value	> 200 °C
Flash point	
Value	appr. 199 °C
Ignition temperature	
Value	360 °C
Method	DIN 51794
pH value	
Value	4.5 to 7
Viscosity	
Value	appr. 97 to 110 mm ² /s
Temperature	20 °C

Trade name: Macrogolum 400

Substance number: 265700

Version: 4 / CH

Date revised: 21.12.2022

Replaces Version: 3 / CH

Print date: 21.12.22

Method DIN 51562

Solubility(ies)

fat oils

Remarks not determined

Vapour pressure

Value	<	300		kPa
Temperature		50	°C	

Density and/or relative density ***

Value	appr.	1.12		g/cm ³
Temperature		20	°C	
Value	appr.	1.12		
Temperature		20	°C	

9.2. Other information**Solubility in water**

Temperature	20	°C
Remarks	miscible	

Bulk density

Remarks Not applicable

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

No decomposition if stored and applied as directed.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

Carbon monoxide and carbon dioxide

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		
LD50	>	2000	mg/kg

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

Remarks Not documented.

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

Remarks Not documented.

Trade name: Macrogolum 400

Substance number: 265700

Version: 4 / CH

Date revised: 21.12.2022

Replaces Version: 3 / CH

Print date: 21.12.22

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 (Components)**Polyethyleneglycols (PEG)**

EC0	> 12.5	mg/l
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	

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment**

Trade name: Macrogolum 400

Substance number: 265700

Version: 4 / CH

Date revised: 21.12.2022

Replaces Version: 3 / CH

Print date: 21.12.22

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.

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	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

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

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.