

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

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

1.1. Product identifier

Macrogolum 10000 Schuppen

Item No. 26588000

Substance / product identification

CAS-No. 25322-68-3

INCI PEG-220

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, Chemical for synthesis

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.

SECTION 3: Composition/information on ingredients

3.1. Substances

Chemical characterization

Macrogolum 10000 Schuppen

Molecular weight

Value 205 to 250 g/mol

Further ingredients

Polyethyleneglycols (PEG)

CAS No. 25322-68-3

EINECS no. 500-038-2

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

Concentration \geq 95 %
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. 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**

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

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. 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
-------	----	---	----	----

Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without hazardous classification/labelling

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)**

List	SUVA
Type	MAK
Value	1000 mg/m ³
Pregnancy group: S; Status: 2017; Remarks: SSc	

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	

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

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)**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.016	mg/l

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**

Form	Flakes
Colour	white
Odour	characteristic
pH value	
Value	5 to 7
Concentration/H ₂ O	100 g/l
Method	DIN 19268
Melting point	
Value	55 to 60
Method	European Pharmacopoeia / 2.2.18
Initial boiling point and boiling range	
Remarks	not determined
Flash point	
Value	265 °C
Method	DIN 51376
Flammability (solid, gas)	
Not self inflammable	
Vapour pressure	
Value	< 0.01 mbar
Temperature	20 °C
Density	

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

Value	appr. 1.2			g/cm ³
Temperature	20	°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**Macrogolum 10000 Schuppen**

log Pow < -1

Auto-ignition temperature

Value > 320 °C

Decomposition temperature

Value 360 °C

Viscosity**dynamic**

Value	550	to	1000	mPa.s
Temperature	20	°C		
Remarks	aquous solution 50%			

kinematic

Value	500	to	900	mm ² /s
Temperature	20	°C		
Method	DIN 51562			
Remarks	aquous solution 50%			

Oxidising properties

Remarks not determined

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

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Heat. Flames. Sparks

10.5. Incompatible materials

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

10.6. Hazardous decomposition products

None under normal use.

SECTION 11: Toxicological information

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

11.1. Information on toxicological effects**Acute oral toxicity (Components)****Polyethyleneglycols (PEG)**

Species	rat		
LD50	>	2000	mg/kg

Skin corrosion/irritation**Macrogolum 10000 Schuppen**

evaluation	non-irritant
------------	--------------

Serious eye damage/irritation**Macrogolum 10000 Schuppen**

evaluation	non-irritant
------------	--------------

Sensitization**Macrogolum 10000 Schuppen**

evaluation	non-sensitizing
------------	-----------------

Mutagenicity**Macrogolum 10000 Schuppen**

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

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity****Macrogolum 10000 Schuppen**

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

Fish toxicity (Components)**Polyethyleneglycols (PEG)**

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

Bacteria toxicity**Macrogolum 10000 Schuppen**

EC0	>	12.5	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		

12.2. Persistence and degradability**Biodegradability**

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

Macrogolum 10000 Schuppen

Value > 95 %

Biodegradability (Components)**Polyethyleneglycols (PEG)**

Value > 80 %

Duration of test 28 d
evaluation Readily biodegradable
Method OECD 301**Chemical oxygen demand (COD)****Macrogolum 10000 Schuppen**

Value 1.740 mg/g

Method DIN 38409 T. 41

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****Macrogolum 10000 Schuppen**

log Pow < -1

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	Non-dangerous goods	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 WGK 1
(Germany)

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

15.2. Chemical safety assessment

Trade name: Macrogolum 10000 Schuppen

Substance number: 265880

Version: 3 / CH

Date revised: 18.06.2019

Replaces Version: 2 / CH

Print date: 18.06.19

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.