

Trade name: Dexpanthenolum

Substance number: 781200

Version: 2 / CH

Date revised: 09.05.2023

Replaces Version: 1 / CH

Print date: 09.05.23

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

1.1. Product identifier

Dexpanthenolum

Item No. 78120006

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

Use of the substance/preparation

Active pharmaceutical substance

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 ***

Molecular weight

Value 205.25 g/mol

Further ingredients ***

Dexpanthenol

CAS No. 81-13-0

EINECS no. 201-327-3

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

In case of persistent symptoms consult doctor.

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water. Consult a doctor if skin irritation persists.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). In case of irritation consult an oculist.

After ingestion

Rinse out mouth and give plenty of water to drink.

Adhere to personal protective measures when giving first aid

First aider: Pay attention to self-protection!

4.2. Most important symptoms and effects, both acute and delayed

Until now no symptoms known so far.

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / hazards

In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to chemical pneumonia or asphyxiation.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Foam, Carbon dioxide, Dry powder, Water spray jet

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Cool endangered containers with water spray jet.

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. Clean contaminated floors and objects thoroughly, observing environmental regulations.

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures,

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see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Observe the usual precautions for handling chemicals.

Advice on protection against fire and explosion

Take action to prevent static discharges. Keep away from sources of heat and ignition.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Store product in closed containers.

Hints on storage assembly

Do not store together with foodstuffs.

Storage classes

Storage class according to TRGS 510 10 Flammable liquids

Further information on storage conditions

Keep container tightly closed and dry.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Other information

Contains no substances with occupational exposure limit values.

8.2. Exposure controls

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Breathing apparatus in the event of vapours. Breathing apparatus in the event of aerosol or mist formation. Particle filter P2; Particle filter half mask, filter FFP2 - Norm DIN EN 149

Hand protection

Chemical resistant gloves
Hand protection must comply with EN 374.

Eye protection

Safety glasses with side protection shield; Eye protection must comply with EN 166.

Body protection

Clothing as usual in the chemical industry.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Highly viscous
Colour	colourless to yellowish
Odour	almost odourless
Physical state	Liquid/semi-crystalline
Melting point	
Remarks	not determined

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Freezing point

Value	-25		°C
Pressure	995	hPa	
Method	OECD 102		

Boiling point or initial boiling point and boiling range

Value	235.6		°C
Pressure	995	hPa	
Method	OECD 103		

Flammability

not determined

Upper and lower explosive limits

Remarks not determined

Flash point

Value	150.5		°C
Method	ASTM D 93		

Ignition temperature

Remarks not determined

Decomposition temperature

Value	270		°C
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pH value

Value	10.5		
Concentration/H ₂ O	100	g/l	
Temperature	25	°C	

Viscosity

Remarks not determined

Solubility(ies)

Remarks not determined

Partition coefficient n-octanol/water (log value)

log Pow	1.0		
Method	calculated		

Vapour pressure

Remarks not determined

Density and/or relative density

Value	1.162		g/cm ³
Temperature	25	°C	

Relative vapour density

Remarks not determined

9.2. Other information**Odour threshold**

Remarks not determined

Evaporation rate (ether = 1) :

Remarks not determined

Solubility in water

Value	509		g/l
Temperature	22	°C	

Explosive properties

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evaluation not determined

Oxidising properties

Remarks not determined

Other information

None known

SECTION 10: Stability and reactivity**10.1. Reactivity**

No dangerous reactions known.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition products

None under normal use.

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

Remarks not determined

Acute dermal toxicity

Remarks not determined

Acute inhalational toxicity

Remarks not determined

Skin corrosion/irritation

Species	rabbit
evaluation	non-irritant
Method	OECD 404

Serious eye damage/irritation

Species	rabbit
evaluation	non-irritant
Method	OECD 405

Sensitization

Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Subacute, subchronic, chronic toxicity

Remarks not determined

Mutagenicity

Remarks not determined

Reproductive toxicity

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Remarks not determined

Carcinogenicity

Remarks not determined

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.

Other information

No toxicological data are available.

SECTION 12: Ecological information *****12.1. Toxicity****General information**

not determined

Fish toxicity

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)	
LC50	> 1000	mg/l
Method	OECD 203	

Daphnia toxicity

Species	Daphnia magna	
EC50	> 100	mg/l
Method	OECD 201	
Species	Daphnia magna	
NOEC	>= 100	mg/l
Method	OECD 201	

Algae toxicity

Species	Desmodesmus subspicatus	
EC50	> 100	mg/l
Method	OECD 201	

Bacteria toxicity

Species	Pseudomonas putida	
EC10	> 10000	mg/l
Method	DIN 38412 Part 8	

12.2. Persistence and degradability**General information**

not determined

Biodegradability

Value	90	to	100	%
Duration of test evaluation	21	d		
Method	Readily biodegradable OECD 301 A			

12.3. Bioaccumulative potential**General information**

Not applicable

Partition coefficient n-octanol/water (log value)

log Pow	1.0
Method	calculated

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12.4. Mobility in soil**General information**

not determined

Mobility in soil

Will not adsorb on soil.

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

not determined

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**

not determined

General information / ecology

Do not discharge product unmonitored into the environment.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

Allocation of a waste code number, according to the European Waste Catalogue (EWC), should be carried out in agreement with the regional waste disposal company.

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

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15.2. Chemical safety assessment

For this substance a chemical safety assessment is not required.

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.