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

• **Informations to product No. 7205**

• **Product name:**

Dexpanthenol-Konzentrat 50%

Trägematerial: Propylenglycol

• **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH

Herderstr. 31

40721 Hilden

Tel.: 02103/4994-0

Fax: 02103/32360

e-mail: info@caelo.de

• **Emergency telephone:**

Giftinformationszentrum Mainz

Langenbeckstr. 1, 55131 Mainz

Tel.: 06131/19240

• **Relevante identifizierte Verwendungen:**

Keine weiteren Informationen verfügbar.

• **Verwendung des Stoffs / Gemischs:**

Rezeptursubstanz für pharmazeutische Rezepturen oder pharmazeutischer Wirkstoff.

2 Hazards identification

• **Hazard classification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

• **Chemical characterization:**

CAS-No. Substance name

81-13-0 Dexpanthenol (50%)

• **EINECS-No.:** 201-327-3

• **REACH Reg. No.:** 01-2119953737-24-0000

• **INCI-Name:** Panthenol

CAS-No. Substance name

57-55-6 1,2-Propylenglycol (50%)

• **EINECS-No.:** 200-338-0


• **INCI-Name:** Propylene Glycol

• **REACH-Reg-No.:** 01-2119456809-23-0000

4 First aid measures

• **General advices:** Take off contaminated clothes.

• **after inhalation:** Not relevant.

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- **after skin contact:** Wash with plenty of water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Combustible, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

6 Accidental release measures

- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **General information:** No hazardous substances are released.

7 Handling and storage


- **Handling:** No special requirements.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).
- **Advices on common storage:** Not required.
- **Additional informations to storage conditions:** none

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Not required.
- **Hand protection:** Not required.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** viscous liquid
- **Colour:** colourless/clear
- **Odour:** odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** 180 - 190 °C

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- **Flash point:** >100 °C
- **Ignition temperature:** 370 - 380 °C
- **Vapour pressure:** < 1 hPa (20 °C)
- **Solubility in / Miscibility with**
- **Water:** miscible
- **pH-range:** not determined.

10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:** Avoid heating.
- **Materials to avoid:** Strong oxidizers
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none.

11 Toxicological information

- **Acute toxicity (Dexpanthenol):**
LD50 (oral, rat): ca. 21 000 mg/kg
LD50 (oral, mus): 15000 mg/kg
LD50 (dermal, rat): > 3500 mg/kg
- **Primary irritant effect:**
In eyes : Not irritant.
On skin: Not irritant.
- **Acute toxicity (propylene glycol):**
In animal experiments: Very low acute toxicity.
LD50 (oral,Rat): > 2000 mg/kg (MSDS Shell Cemics) >20000mg/kg (SDB DOW)
LD 50 (dermal, rabbit): >2000mg/kg (SDB DOW)
- **Primary irritating effect:** Slight irritant effect on mucous membranes and eyes.

12 Ecological information

- **Aquatic toxicity (Dexpanthenol):**
Fish: Oncorhynchus mykiss LC50 (96 h) > 1 000 mg/l (OECD 203)
Daphnia: Daphnia magna EC50 (48 h) > 100 mg/l (OECD 202)
Algae : Desmodesmus subspicatus EbC50 (72 h) > 100 mg/l (OECD 201)
NOEC (72 h) 100 mg/l
Bacteria: Sludge NOEC 569 mg/l (OECD 302B)
Pseudomonas putida EC50 (17 h) > 10 000 mg/l (DIN 38412)
- **Information about elimination (persistence and degradability):**
Readily biodegradable: 97 % (21 d) (OECD 301 A)
- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.
- **Aquatic toxicity (propylene glycol):**
Fish toxicity: LC50 > 1000 mg/l/96h
LC50 (Oncorhynchus mykiss): 40,613mg/l
LC50 (Ceriodaphnia dubia): 18,340mg/l
LC50 (Mysidae): 18,800mg/l
- **Toxicity to plants:**
ErC50 (Pseudokirchneriella subcapitata): 19,000mg/l

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ErC50 (Diatomeae): 19100mg/l

• **Toxicity to Mikroorganisms:**

NOEC (Pseudomonas putida): >20000mg/l

NOEC (Ceriodaphnia): 13020 mg/l

• **log Pow:** -1,07

• **Information about elimination (persistence and degradability):** Readily biodegradable.

Biodegradability	Exposition time	Method	10-Day-Window
81%	28d	OECD Test 301F	successful
96%	64d	OECD Test 306	not applicable

• **Water hazard class:** 1 (VwVwS, Annex 3): slightly hazardous for water.

13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

14 Transport informations

- **Land transport according to ADR:**
Not classified as dangerous in the meaning of transport regulations.

15 Regulatory information

• **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**

The product does not need to be labelled according to GHS-regulations.

• **National regulations (Germany):**

• **Water hazard class:** see chapter 12

• **Storage class TRGS 510:** 10

• **VbF class:** -

16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

• **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.