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

· **Informations to product No. 5530**

· **Product name:**

Polymyxin B sulfat, API (mikrobielle Herkunft)
Polymyxini B sulfas

· **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

· **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

· **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

2 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Warning

· **H-Phrases:**

H302 Harmful if swallowed

· **P- Phrases:**

P305 IF SWALLOWED:

P351 Call a POISON CENTER or doctor/physician if you feel unwell


Acute Tox. 4

3 Composition / information on ingredients

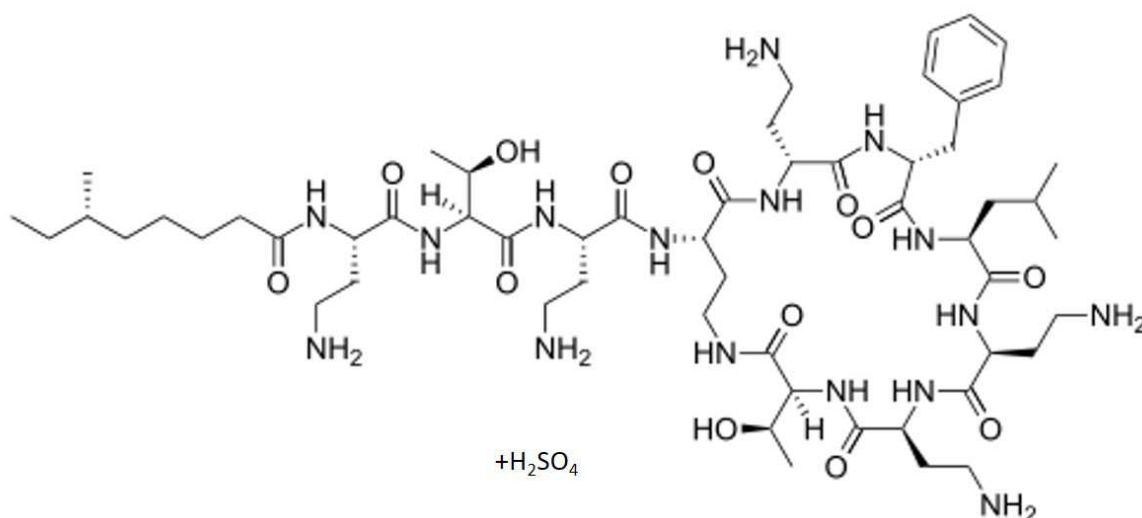
· **Chemical characterization:** Polypeptid-Antibioticum from Bacillus polymyxa

CAS-No. Substance name

1405-20-5 Polymyxin B sulfat

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- **EINECS-No.:** 215-774-7
- **REACH-No.:** (pre-registered)
- **INCI-Name:** -



4 First aid measures


- **after inhalation:** Fresh air. If irritation of respiratory ways continues seek medical advice.
- **after skin contact:** Take off contaminated clothes and shoes, wash immediately with plenty of water and soap.
- **After eye contact:** Rinse out with plenty of water with the eyelid wide open. If irritations continue, call in ophthalmologist.

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. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.

6 Accidental release measures

- **Personal protective measures:** Avoid contact with substance.
- **Environmental protective measures:** No special measures required.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. Disposal according to Chapter 13 of this MSDS. Clean up with water.

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7 Handling and storage

- **Handling:**
- **Advice on safe handling:** Avoid dust formation.
- **Storage:**
- **Requirements for storage areas and containers:**
Tightly closed. Store at a dry place. Not above 25 °C.

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:** Avoid contact with eyes and skin.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties


- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** >240 °C
- **Flash point:** not determined
- **Density:** not determined
- **Bulk density:** ca. 250 kg/m³
- **Solubility in / Miscibility with**
- **Water:** readily soluble
- **pH-range:** not determined

10 Stability and reactivity

- **Hazardous decomposition products:** Irritant/harmful vapours on strong heating.
- **Materials to avoid:** Strong oxidants.

11 Toxicological information

- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
Polymyxin B sulfate
Oral: LD50: 790 mg/kg (mouse)
- **Primary irritating effect:**
- **on skin:** Not irritant.
- **on eyes:** Slight irritant effect.
- **Sensitization:** Allergic reaction possible

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12 Ecological information

- **Information about elimination (persistence and degradability):**

No quantitative data available. Biodegradable.

- **Aquatic toxicity:**

No quantitative data available.

- **Water hazard class:** 2 (self classification): 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 is classified and labelled according to GHS-regulations.

- **Hazard symbols:** GHS07

- **Signal word:** Warning

- **H-Phrases:**

H302 Harmful if swallowed

- **P- Phrases:**

P305 IF SWALLOWED:

P351 Call a POISON CENTER or doctor/physician if you feel unwell

- **National regulations (Germany):**

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

- **Storage class TRGS 510:** 11

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.