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

· **Informations to product No. 2306**

· **Product name:**

Kaliumdihydrogenphosphat cryst.

Kalii dihydrogenphosphas
Potassium dihydrogenphosphate

· **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

· **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

· **Chemical characterization:**

CAS-No. Substance name

7778-77-0 Potassium dihydrogenphosphate


· **EINECS-No.:** 231-913-4

· **REACH-Reg-No.:** 01-2119490224-41-0000

· **INCI-Name:** Potassium Phosphate

4 First aid measures

- **after inhalation:** Fresh air
- **after skin contact:** Wash off with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink plenty of water. If feeling unwell seek medical advice.

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5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Additional information:** Not combustible

6 Accidental release measures

- **Personal protective measures:** Avoid dust formation, Do not inhale dust.
- **Methods for cleaning:** Take up dry, disposal according to chapter 13 of this MSDS, Clean up with water.

7 Handling and storage

- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature (+15°C to +25°C).

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:** Dust protection mask.
- **Hand protection:** Not required.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 253 °C (decomposition)
- **Boiling point / boiling range:** not determined
- **Density:** (20 °C) 2,33 g/cm³; Bulk density: 1200 kg/cbm
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 222 g/l
- **pH-range:** (20 °C 20 g/l) 4,2 – 4,6

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Avoid strong heating (decomposition)
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** None.

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11 Toxicological information

- **Acute toxicity:**

LDL0 (rat): 4640 mg/kg

LD50 (rabbit): > 4640 mg/kg

- **Primary irritant effect:**

- **on eyes:** Slight irritations.

- **after swallowing:** (big quantities): Illness, Vomiting, Abdominal pain, Diarrhea.

- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Ecotoxicological effects:**

- **Aquatic toxicity:**

Fish toxicity: LC0 Leuciscus idus: 900 mg/l. 48h

Phosphates can contribute depending on their concentrations to overfertilisation of waters.

- **Water hazard class:** 1 (VwVwS): 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:** 13

16 Other Information

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