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

· **Informations to product No. 2358**

· **Product name:**

Kaliumsulfat
Kalii sulfas, Kalium sulfuricum plv.
Potassium sulfate

· **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

7778-80-5 Potassium sulfate


· **EINECS-No.:** 231-915-5

· **REACH Reg. No.:** 01-2119489441-34-0000

· **INCI-Name:** Potassium Sulfate

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:** protection gloves of latex or rubber.
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 1069 °C
- **Boiling point / boiling range:** 1689 °C
- **Density:** (20 °C) 2,66 g/cm³
- **Bulk density:** ca. 800 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 111 g/l, (100 °C) 240 g/l
- **pH-range:** (50 g/l, 20 °C) 5,5 – 5,8

10 Stability and reactivity

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

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- **Hazardous decomposition products:** none

11 Toxicological information

- **Acute toxicity:** LD50 (oral,Rat): 6600 mg/kg
- **Primary irritant effect:** no irritant effect

12 Ecological information

- **Aquatic toxicity:**
LC50 (pimephales promelas): 680 mg/l/96h
LC50 (Lepomis macrochirus)/96h: 3550 mg/l
EC50 (Daphnia magna)/48h: 890 mg/l
IC50 (Desmodesmus subspicatus): 2900 mg/l/72h
For sulfates generally: Fishes: toxic above 7g/l; Bacteria toxic above > 2,5 g/l
- **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.

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