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

· **Informations to product No. 2056**

· **Product name:**

Aluminiumkaliumsulfat cryst.

Alumen

Potassium Aluminium sulfate 12-hydrate

· **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

7784-24-9 Potassium Aluminium sulfate 12-hydrate

· **EINECS-No.:** 233-141-3

· **REACH Reg. No.:** 01-2119960162-44-000

· **INCI-Name:** Potassium Alum

4 First aid measures


· **General advices:** No special measures required.

· **after inhalation:** Fresh air.

· **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.

· **after swallowing:** Drink water. Induce vomiting. 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.
- **Specific hazards during fire fighting:** Not combustible. In case of fire dangerous vapours/gases can be generated: Sulphur oxides.
- **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

- **Personal protective measures:** Avoid contact with substance.
- **Environmental protective measures:** Prevent from leaking into ground water, environment waters or drainage.
- **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.
- **Advice on safe handling:** No special measures required. Avoid dust formation.
- **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

Components with limit values that require monitoring at the workplace:

- **General information:** Dust limit: 6 mg/cbm F
- **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:** 90 °C
- **Density:** (20 °C) 1,757 g/cm³

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- **Solubility in / Miscibility with**
- **Water:** (20 °C) 110 g/l
- **pH-range:** (100 g/l, 20 °C) 2,8 - 3,5

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Releases crystal water on heating.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Sulphur oxides.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritating effect:**
- **on skin:** none
- **on eyes:** none
- **Sensitization:** none
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

Aquatic toxicity:

Not acute harmful for water organisms.

- **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.

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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.