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

· **Informations to product No. 2070**

· **Product name:**

**Aluminiumoxid, wasserhaltig, Algedrat**  
Aliminii oxidatum hydricum, Al. hydroxida. colloidal

· **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**

21645-51-2 Aluminium hydroxide

· **EINECS-No.:** 244-492-7

· **REACH Reg. No.:** 01-2119529246-39-0000

· **INCI-Name:** Aluminium hydroxide


## 4 First aid measures

· **after inhalation:** Fresh air. If feeling unwell continuously seek medical advice.

· **after skin contact:** Wash away with plenty of water.

· **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.
- **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 dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **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

### Components with limit values that require monitoring at the workplace:


21645-51-2 Aluminium hydroxide (100,0%)

AGW (Germany) 3 mg/m<sup>3</sup> 2(II);respirable fraction; AGS

- **Personal protective equipment:** The usual rule measures for handling chemicals should be observed. Avoid contact with eyes.
- **Respiratory protection:** Required if dusts are generated.
- **Hand protection:** Not required.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** ca. 2040 °C
- **Boiling point / boiling range:** not determined
- **Flammability (solid, vapours):** The product is not flammable.
- **Density:** (20 °C) 0,87 g/cm<sup>3</sup>
- **Bulk density:** 600 kg/m<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** Soluble in alkaline media.
- **pH-range:** (50 g/l, 20 °C) ca. 8 Suspension

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## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Can decompose slowly with localized heating above 150 ° C. Thermic decomposition with elimination of water.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none.

## 11 Toxicological information

- **Acute Toxicity:**  
Oral LD50 > 2000 mg/kg (Ratte)
- **Primary irritant effect:**  
**on eyes:** Irritations
- **on skin:** no Irritations.
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.
- **Sensitization:** no sensitization possible.

## 12 Ecological information

- **Ecotoxic effects:**
- **Additional information:** In case of appropriate handling and usage the product does not cause harmful ecological effects
- **Water hazard class:** nwg (VwVwS): not 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

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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.