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

- **Informations to product No. 7080**
- **Product name:**

Aluminiumacetat-tartrat-Lösung Essig-weinsaure Tonerdelösung

- **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

- **Hazard classification:** The substance is not classified as dangerous according to European Union legislation.

3 Composition / information on ingredients

- **Chemical characterization**

- **Description:** Solution of aluminium sulfate in diluted acetic acid – tartaric acid solution;

CAS-No.: 142-03-0

- **Components:**

CAS-No. Substance name

7784-31-8 Aluminium sulfate 18-hydrate

- **EINECS-Nr.:** 616-524-3
- **REACH Reg. No.:** 01-2119531538-36-0000
- **INCI-Name:** Aluminium Sulfate

CAS-No. Substance name


64-19-7 Acetic acid GHS02, GHS05; H226-H314 (80%)

- **EINECS-No.:** 200-580-7
- **Index-No.:** 607-002-00-6
- **REACH Reg. No.:** 01-2119475328-30-0000
- **INCI-Name:** Acetic Acid

CAS-No. Substance name

7732-18-5 Water (20%)

- **EINECS-No.:** 231-791-2

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- **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.
- **INCI-Name:** Aqua

CAS-No. Substance name

471-34-1 Calcium carbonate

- **EINECS-No.:** 207-439-9
- **REACH Reg. No.:** 01-2119486795-18-0000
- **INCI-Name:** Calcium Carbonate

CAS-No. Substance name

87-69-4 L(+)-tartaric acid

- **EINECS-No.:** 201-766-0
- **REACH Reg. No.:** 01-2119537204-47-0000
- **INCI-Name:** Tartaric Acid

4 First aid measures

- **General advices:** No special measures required.
- **after skin contact:** Wash off with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. Call in ophthalmologist.
- **after swallowing:** Drink water. Induce vomiting. Seek medical advice.

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 contact with substance.
- **Environmental protective measures:** No special measures required.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust.

7 Handling and storage

- **Handling:** No special requirements.
- **Advice on safe handling:** No special measures required.
- **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). Protect from air.
- **Advices on common storage:** Not required.

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8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace.

- **Personal protective equipment:**
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Not required.
- **Hand protection:** recommended
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** liquid
- **Colour:** colourless
- **Odour:** Acetic acid
- **Melting point / melting range:** not determined.
- **Boiling point / boiling range:** > 100 °C
- **Density:** (20 °C) 1,05 g/cm³
- **Solubility in / Miscibility with**
- **Water:** miscible
- **pH-range:** (20 °C) ca. 4

10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:** No decomposition if used appropriately.
- **Hazardous decomposition products:** none.

11 Toxicological information

- **Acute toxicity:**
- **Primary irritating effect:**
- **on eyes:** Slight irritant effect possible.
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Information about elimination (persistence and degradability):** Aluminium salt not biodegradable.
- **Water hazard class:** 1 (self classification): slightly hazardous for water.

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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 EC-regulations:** The product does not need to be labelled according to EC directives or respective national laws.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 12
- **VbF class:** -

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.