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

• **Informations to product No. 2703**

• **Product name:**

Trockenperlen Caelo orange

• **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

7631-86-9 Amorph silicium dioxide (> 93%)

• **EINECS-No.:** 231-545-4

• **REACH Reg. No.:** 01-2119379499-16-0000

• **INCI-Name:** Silica

CAS-No. Substance name

7783-83-7 Ammonium irpn(III)-sulfate dodecahydrate (< 5%) GHS07, H315, H319, H335

• **EINECS-No.:** 233-382-4

• **REACH Reg. No.:** (pre-registered)


• **INCI-Name:** -

4 First aid measures

• **after inhalation:** Not relevant. If dust is generated avoid inhaling dust.

• **after skin contact:** Wash off with water.

• **after eye contact:** Rinse out with plenty of water with the eyelid wide open.

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- **after swallowing:** Seek medical advice immediately.

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:** The usual precaution measures during handling of chemicals are to observe. Danger of slipping caused by material properties (Pearls!)
- **Environmental protective measures:** No special measures required
- **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:** 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.

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:


1327-36-2 Amorph Alumina-Silicagel

MAK: 0,3 F mg/m³

- **Personal protective equipment:**
- **General protective and hygiene measures:** Wash hands before breaks and after work.
- **Respiratory protection:** required only if dust is generated.
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses

9 Physical and chemical properties

- **Form:** Pearls
- **Colour:** light orange or colourless
- **Odour:** odourless
- **Melting point / melting range:** 1730 °C
- **Boiling point / boiling range:** 2230 °C
- **Flammability (solid, vapours):** The product is not flammable.

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- **Density:** (20 °C) 2,21 g/cm³
- **Bulk density:** 680 - 780 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 0,1 g/l, in alkaline media more soluble. The colouring agent added as moisture indicator is soluble in water.
- **pH-range:** (100 g/l, 20 °C) 2,0 – 5,0 Suspension

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use. Avoid heating above 150 °C
- **Hazardous reactions:** No hazardous reactions known. Produkt absorbes vapours and gases.
- **Hazardous decomposition products:** none

11 Toxicological information

- **Acute toxicity:**
LD50 3100 mg/kg (OECD 401)
LC0 (inhal., rat) > 140 mg/l/4h (OECD 403)
NOAEL (rat) > 4000 mg/kg (OECD408)
- **Sub-acute / chronic toxicity:** After inhalation: Chronical Intoxication: Pneumokoniosis (Silicosis). No acute toxicity.

12 Ecological information


- **Aquatic toxicity:**
LL0 (Danio rerio): 10000 mg/l/96h (OECD 203)
EL0 (Daphnia magna) 1000 mg/l/24h (OECD 202)
EL50 (Scenedesmus subspicatus) > 10000 mg/l/72h (OECD 201)
Not acute harmful for water organisms.
- **General advices:** In case of appropriate handling and usage the product does not cause harmful ecological effects.
- **Water hazard class:** 1 (self classification): 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.

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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.