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

- **Informations to product No. 5053**
- **Product name:**

AEROSIL® Typ 200 Hochdisperses Siliciumdioxid

- **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 Silicon dioxide
112945-52-5 Silicon dioxide, produced by chemical synthesis

- **EINECS-No.:** 231-545-4
- **REACH-Reg.-No.:** 01-2119379499-16-0000
- **INCI-Name:** Silica

4 First aid measures

- **General advices:** No special measures required.
- **after inhalation:** Fresh air. If feeling unwell continuously seek medical advice. Possible disorders: Coughing, sneezing.
- **after skin contact:** Wash away with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. Possible disorders are caused by mechanical irritation. If feeling unwell continuously seek medical advice.
- **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 contact with substance.
- **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.
- **General information:** No hazardous substances are released.

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).
- **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:

7631-86-9 Silicon dioxide (100,0%)


AGW (TRGS 900): 4 mg/m³

· 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:** Not required.

9 Physical and chemical properties

- **Form:** Powder
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 1700 °C
- **Flammability (solid, vapours):** The product is not flammable.
- **Density:** (20 °C) ca. 2,2 g/cm³
- **Bulk density:** ca 50 kg/m³

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- **Solubility in / Miscibility with**
- **Water:** ca. 0,15 g/l
- **pH-range:** (20 °C, 40 g/l Suspension) 3,7 – 4,7

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:**
No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none.

11 Toxicological information

- **Acute toxicity:**
LD/LD50-data relevant for hazard classification:
7631-86-9 Silicon dioxide
Oral: LD50: 10000 mg/kg (rat)
Oral: LD50: 5000 mg/kg (rabbit)
- **Additional toxicological informations:**
In case of appropriate handling and usage the product does not cause harmful effects.

12 Ecological information

- **Aquatic toxicity:**
Fishes: Brachydanio rerio LC50 > 10000 mg/l/96h (OECD 203)
Daphnia: Daphnia magna LC50 > 10000 mg/l/24h (OECD 202)
- **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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- **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.