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

- **Informations to product No. 2112**
- **Product name:**

Calciumoxid
Calcii oxidum, Calcaria usta
Calcium oxide

- **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

- **GHS-Labeling Elements:**




- **Signal word:** Danger

- **H-Phrases:**

H315 Causes skin irritation
H318 Causes serious eye damage
H335 May cause respiratory irritation

- **P-Phrases:**

P280 Wear protective gloves/protective clothing/eye protection/face protection
P301 IF SWALLOWED:
P330 Rinse mouth.
P302 IF ON SKIN:
P353 Rinse skin with water/shower
P305 IF IN EYES:
P351 Rinse continuously with water for several minutes
P310 Immediately call a POISON CENTER or doctor/physician

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Skin Irrit. 2
Eye Dam. 1
STOT SE 3

3 Composition / information on ingredients

· **Chemical characterization:**

CAS-No. Substance name

1305-78-8 Calcium oxide

· **EINECS-No.:** 215-138-9

· **REACH Reg. No.:** 01-2119475325-36-0000

· **INCI-Name:** Calcium Oxide

4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, Seek medical help immediately.
- **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, seek medical advice, even if no immediate symptoms are observed.
- **after swallowing:** Drink plenty of water. Do not induce vomiting (Danger of perforation). Seek medical advice.

5 Fire-fighting measures


- **Suitable extinguishing media:** Not combustible. All regular extinguishing media can be used. Select fire fighting measures suitable to environment
- **Additional information:** Not combustible.

6 Accidental release measures

- **Personal protective measures:** Avoid inhalation of dust.
- **Environmental protective measures:** Prevent from entering into surface water, the ground water system or soil.
- **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).
Store at a good ventilated place. No aluminium containers.

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8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

1305-78-8 Calciumoxid (100,0%)

MAK: 5 mg/m³ (Dust)

- **Personal protective equipment:**
- **Respiratory protection:** If dust is generated: 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:** 2614 °C
- **Boiling point / boiling range:** 3570 °C
- **Density:** (20 °C) 3,3 – 3,4 g/cm³
- **Solubility in / Miscibility with**
- **Water:**
(0 °C) 1850 mg/l
(20 °C) 1650 mg/l
(100 °C) 770 mg/l
- **pH-range:** (saturated solution, 25 °C) 12,4

10 Stability and reactivity


- **Materials to avoid:** Alcohols, hydrogen halogenides, acids, aluminium, water.
- **Hazardous decomposition products:** none

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
- **on eyes:** Strong Irritation. Danger of corneal clouding and blindness.
- **on respiratory organs:** After inhalation of dust: irritations of mucous membranes
- **after swallowing:** Irritations in gastrointestinal tract.

12 Ecological information

- **Aquatic toxicity:**
LC50 Cyprinus carpio, 96h: 1070 mg/l
LC50 Crustacea, 24h: 160 mg/l
Harmful effect on aquatic organisms due to pH shift.
 - **Water hazard class:** 1 (VwVwS): slightly hazardous for water.
- Do not release in surface water, drainage or soil.

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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 actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**
The product is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS05
- **Signal word:** Danger
- **H-Phrases:**
H315 Causes skin irritation
H318 Causes serious eye damage
H335 May cause respiratory irritation
- **P-Phrases:**
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P310 Immediately call a POISON CENTER or doctor/physician
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 8B

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.