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

- **Informations to product No. 38**
- **Product name:**

**Carbo Ligni pulveratus**  
Holzkohle, Buchenholzkohle  
charcoal

- **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**

16291-96-6 Charcoal


- **EINECS-No.:** 240-383-3

- **REACH Reg. No.:** 01-2119560590-41-0000

- **INCI-Name:** Charcoal Powder

## 4 First aid measures

- **General information:** Not toxic. Therapeutically used material.
- **after inhalation:** Fresh air. If feeling unwell seek medical advice.
- **after skin contact:** Wash away with water.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** (big quantities) If feeling unwell continuously 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:** Combustible. Dust explosion hazard. In case of fire dangerous vapours/gases can be generated: Carbon monoxide.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.

## 6 Accidental release measures

- **Personal protective measures:** Avoid generation of dust, Do not inhale dust.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. 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 measures required
- **Informations to fire or explosion protection:** Keep away from ignition sources. Take measures to prevent electrostatic charging.
- **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

- **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:** Protection gloves.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid (powder or pieces)
- **Colour:** black
- **Odour:** odourless
- **Melting point / melting range:** >3000 °C
- **Boiling point / boiling range:** >3000 °C
- **Flash point:** not determined
- **Ignition temperature:** > 140 °C
- **Explosion hazard:** The product is not hazardous for explosion, but the explosion of dust-air mixtures is possible.
- **Density:** not determined
- **Bulk density:** 350 - 450 kg/m<sup>3</sup>

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- **Solubility in / Miscibility with**
- **Water:** not soluble.
- **pH-range:** (suspension, 50 g/l, 20 °C) neutral

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Strong heating.
- **Materials to avoid:** Strong oxidants.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** Carbon monoxide, Carbon dioxide.

## 11 Toxicological information

- **Acute toxicity:** Not toxic. Therapeutically used substance.
- LD/LD50-data relevant for hazard classification:**  
7440-44-0 Activated charcoal  
Oral: LD50: 10000 mg/kg (rat)
- **Primary irritant effect:**
- **after inhalation:** If general limits for inert dusts are exceeded (6 mg/cbm), mechanical irritation of respiratory organs is possible.  
MAK-Wert (TWA-Germany): 6 mg/m<sup>3</sup>  
PEL (TWA-OSHA): 15 mg/<sup>3</sup> (Dust)  
5 mg/<sup>3</sup> (fine dust)
- **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):**
- **Additional informations:** Quantitative ecotoxicological data for this product are not available.
- **Water hazard class:** nwg (self classification): 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.

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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:** 11

## 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.