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

· **Informations to product No. 2150**

· **Product name:**

**Aktivkohle, reinst, plv.**

**Carbo activatus**

**Activated coal**

· **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:**

**CAS-No. Substance name**

7440-44-0 Activated coal

· **EINECS-No.:** 931-328-0

· **REACH-Reg. No.:** 01-2119488894-16-0000

· **INCI-Name:** Charcoal Powder

## 4 First aid measures


· **General advices:** Avoid dust formation.

· **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 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. 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 inhalation of dust.
- **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:** Belüftung wird empfohlen.
- **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 of rubber or latex.
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** Powder
- **Colour:** black
- **Odour:** odourless
- **Melting point / melting range:** >3000 °C
- **Boiling point / boiling range:** >3000 °C
- **Flash point:** not determined
- **Flammability (solid, vapours):** Ignition temperature: > 140 °C
- **Explosion hazard:** The product is not hazardous for explosion, but formation of explosive dust-air mixtures is possible.
- **Density:** not determined
- **Bulk density:** 200 - 300 kg/m³

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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:** 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.
- LD/LD50-data relevant for hazard classification:**  
1333-86-4 Activated coal  
Oral: LD50: 10000 mg/kg (rat)
- **Primary irritant effect:**
- **on respiratory organs:** If concentration for inert dust (6 mg/cbm) is exceeded, mechanical overcharging of respiratory organs is possible.
- **Other information (experimental toxicology):**  
MAK-Wert (TWA-Germany): 6 mg/cbm  
PEL (TWA-OSHA): 15 mg/cbm (dust)  
6 mg/cbm (lung penetrating 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 information:** No ecotoxicological data available.
- **Water hazard class:** nwg (VwVwS): 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 (german regulation):** 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.