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

- **Informations to product No. 620**
- **Product name:**

Lycopodium **Bärlappsporen**

- **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:** Spores of different Lycopodium species, also known as ground pines or creeping cedar, in the family Lycopodiaceae, a family of fern-allies (Pteridophyta) with constant diameter (29-32µm), used as standard in microscopy.

CAS-No. Substance name

8023-70-9 Lycopodium


- **EINECS-No.:** 282-002-3

- **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.

- **INCI-Name:** -

4 First aid measures

- **General advices:** Avoid dust formation.
- **after inhalation:** Fresh air, if feeling unwell, seek for 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 for 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: Smoke gases. Danger of dust explosion.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.

6 Accidental release measures:

- **Environmental protective measures:** No special measures required.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. Disposal according to Chapter 13 of this MSDS. Clean up with water.

7 Handling and storage

- **Handling:** Ventilation recommended.
- **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).

8 Exposure controls / personal protective equipment


Components with limit values that require monitoring at the workplace:

The product does not contain relevant quantities of substances with limit values that require monitoring at the workplace.

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.
- **Eye protection:** Not required

9 Physical and chemical properties

- **Form:** very light, flowing powder.
- **Colour:** faint yellow
- **Odour:** odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Explosion hazard:** Danger of dust explosion.
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** not soluble

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10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Strong heating.
- **Materials to avoid:** Strong oxidants.
- **Hazardous reactions:** Explosion hazard in mixture with strong oxidants.
- **Hazardous decomposition products:** Carbon monoxide.

11 Toxicological information

- **Acute toxicity:** Not toxic.
- **Primary irritating effect:**
- **auf die Atmungsorgane:** If general limit for dusts is exceeded (6 mg/cbm), mechanical irritation of respiratory organs is possible.
- **Other information (zur experimentellen Toxikologie):**
MAK (TWA-Deutschland): 6 mg/cbm
PEL (TWA-OSHA): 15 mg/cbm (dust), 5 mg/cbm (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):**
Readily biodegradable.
- **Ecotoxic effects:** Quantitative ecotoxicological data for this product are not available. Naturally occurring substance.
- **Water hazard class:** nwg (self classification): not hazardous for water.

13 Disposal considerations


- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Ungereinigte Verpackungen:**
- **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.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 11

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16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.