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

· **Informations to product No. 4544**

· **Product name:**

Podophyllumharz (aus Podophyllum peltatum), API
Podophyllum Resin

· **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:**

H300 Fatal if swallowed

H310 Fatal in contact with skin

H314 Causes severe skin burns and eye damage

H330 Fatal if inhaled

H360 May damage fertility or the unborn child

· **P-Phrases:**

P301 IF SWALLOWED


P310 Immediately call a POISON CENTER or doctor/physician

P302 IF ON SKIN

P352 Wash with soap and water

P305 IF IN EYES

P351 Rinse continuously with water for several minutes

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P313 Get medical advice/attention

Acute Tox. 2
Skin Corr. 1B
Repr. 1B

3 Composition / information on ingredients

- **Chemical characterization:** resin from Podophyllum peltatum
- CAS-No. Substance name**
9000-55-9 Podophyllin (ex peltatum)
- **EINECS-No.:** 232-546-2
- **REACH Reg. No.:** (pre-registered)
- **INCI-Name:** -

4 First aid measures

- **after inhalation:** bring affected person immediately to fresh air. If irritations continue, seek medical advice.
- **after skin contact:** Wash away immediately with Polyethylenglycol 300 and Ethanol (2:1), then with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open. Seek medical advice.
- **after swallowing:** Drink plenty of water, do not induce vomiting, seek medical advice immediately..

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.
- **Special protective equipment for fire-fighters:** Suitable protective clothes and respiratory protection.
- **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 dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **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.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**

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- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. Protect from light. Store at a good ventilated place. At room temperature (+15 bis +25°C).
- **Advices on common storage:** Do not store together with food..
- **Additional informations to storage conditions:** Keep container tightly closed.

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **General protective and hygiene measures:**
Keep away from food, beverages and animal food.
Take off contaminated clothes immediately.
Wash hands before breaks and after work.
Avoid contact with eyes and skin.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or nitrile rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties


- **Form:** solid
- **Colour:** yellow - brown
- **Odour:** characteristic
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** nearly not soluble

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** At high temperatures irritant or harmful vapours are released.

11 Toxicological information

- **Acute toxicity:**
LD50 oral, Rat < 2000 mg/kg.
The informations about toxicity are are inconsistent and varying with the origin of the plats used for production.
- **Primary irritant effect:**
- **on skin:** Strong irritations.
- **on eyes:** Irritant effect.
- **Sensitization:** Sensitization with allergic manifestations at sensible persons.
- **Sub-acute / chronic toxicity:** suspected to cause cancer. Do not use during pregnancy..
- **Additional toxicological informations:** Danger of skin resorption.

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12 Ecological information

- **Ecotoxical effects:**

Quantitative ecotoxicological data for this product are not available.
Naturally occurring substance. The product is biodegradable.

- **General advices:**

Prevent from leaking into ground water, environment waters or drainage.

- **Water hazard class:** 2 (self classification): 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:**

- **Proper shipping name:** Toxic solids, organic, n.o.s., Podophyllin

- **Class:** 6.1

- **UN-number:** 2811

- **Packing group:** II

- **Classification code:** T2

- **Limited quantities (Table 3.4.6. ADR):** 1 kg

- **Hazard classification number:** 60

- **Special provisions (Chapter 3.3 ADR):** -

- **Additional informations for sea transport IMDG:**

- **EMS-No.:** F-A, S-A

- **Properties:** -

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, GHS06, GHS08

- **Signal word:** Danger

- **H-Phrases:**

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- **P-Phrases:**

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• **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.