


Page 1 of 5 Print Date 30.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Steinkohlenteerlösung	 Revision Date 30.11.2018
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1 Identification of the substance/mixture and of the company/undertaking

- Informations to product No. g143
- Product name:

Steinkohlenteerlösung Lithanthracis picis liquor, Liqu. Carbonis deterg. Coal tar solution

- 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:


H226 Flammable liquid and vapour
H350 May cause cancer

- P-Phrases:

P211 Do not spray on an open flame or other ignition source
P202 Do not handle until all safety precautions have been read and understood
P280 Wear protective gloves/protective clothing/eye protection/face protection

Carc. 1A

Flam. Liq. 3

Page 2 of 5 Print Date 30.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Steinkohlenteerlösung	 Revision Date 30.11.2018
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3 Composition / information on ingredients

- **Chemical characterization**

- **Description:** Extract of coal tar with Quillaja saponica-tincture

CAS-No. Substance name

64-17-5 Ethanol (64 - 70% (V/V)) GHS02, H226

- **EINECS-No.:** 200-578-6
- **REACH Reg. No.:** 01-2119457610-43-0010
- **INCI-Name:** Alcohol

CAS-No. Substance name

7732-18-5 Water (ad 100%)

- **EINECS-No.:** 231-791-2
- **REACH Reg. No.:** Exempted from the obligation to register according to Annex 4 / 5 REACH-regulation.
- **INCI-Name:** Aqua

CAS-No. Substance name

68990-67-0 Quillaja Saponica Extract GHS07, H319, H335

- **EINECS-No.:** 273-620-4
- **REACH-No.:** 01-2120078921-50-0000
- **INCI-Name:** Quillaja Saponica Extract

CAS-No. Substance name

8007-45-2 Coal tar (ca. 20-25%) GHS08, H350

- **EINECS-No.:** 232-361-7
- **REACH-No.:** (pre-registered)
- **INCI-Name:** -

4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, assure medical help immediately. Show product-label or this MSDS.
- **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.
- **after swallowing:** If feeling unwell continuously seek medical advice.

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 oxides. Pressure rises after heating. Vapours can form explosive mixtures with air.
- **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.

Page 3 of 5 Print Date 30.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Steinkohlenteerlösung	 Revision Date 30.11.2018
--	---	---

6 Accidental release measures

- **Personal protective measures:** Avoid contact with substance. Wear suitable protective equipment according to Chapter 8 of this MSDS.
- **Methods for cleaning:** Absorb with liquid-binding material: Sand, silica gel, acid binder, universal binder, saw dust. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **Environmental protective measures:** Prevent from entering into drains, prevent from contaminating surface water or the ground water system.

7 Handling and storage

- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:** Keep container tightly closed. Store at a good ventilated place.

8 Exposure controls / personal protective equipment

Components with limit values that require monitoring at the workplace:

64-17-5 Ethanol (70,0%)

MAK: 1900 mg/m³, 1000 ml/m³


50-32-8 Benzo[a]pyren

TRK: 0,002 mg/m³

- **Personal protective equipment:**
- **Respiratory protection:** Good ventilation / exhaustion of working place..
- **Hand protection:** Protection gloves of rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** liquid
- **Colour:** dark brown
- **Odour:** alcoholic
- **Boiling point / boiling range:** 80 °C
- **Flash point:** ca. 22 °C
- **Ignition temperature:** 425 °C
- **Explosion hazard:** The product is not explosive, but explosive mixtures of vapours with air can be formed.
- **Explosion limits:**
- **lower:** 3,5 Vol %
- **upper:** 15,0 Vol %
- **Density:** 0.903
- **Solubility in / Miscibility with**
- **Water:** partially miscible with precipitation of solved components.
- **pH-range:** (100 g/l, 20 °C) ca. 7

<p>Page 4 of 5</p> <p>Print Date 30.11.2018</p>	<p>Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH)</p> <p>Steinkohlenteerlösung</p>	 <p>Revision Date 30.11.2018</p>
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10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** High temperatures
- **Materials to avoid:** Strong oxidants.
- **Hazardous reactions:** Reactions with strong oxidants.
- **Hazardous decomposition products:** irritant or harmful vapours

11 Toxicological information


- **Acute toxicity:**
- **Primary irritant effect:**
- **on skin:** After enduring exposition irritation possible.
- **on eyes:** irritation of mucous membranes possible.
- **Sensitization:** After enduring exposition sensitization by strong sunlight possible.
- **Sub-acute / chronic toxicity:** Some of the compounds in coal tar, aspecially benzo[a]pyrene, is suspected of being cancerogene, reproductional toxic or genotoxic.

12 Ecological information

- **Information about elimination (persistence and degradability):**
Ethanol: Readily biodegradable. Rapid photochemical oxidation in air.
Coal tar: Not readily biodegradable.
- **Mobility and bioaccumulation potential:** Soluble in water. Disappears within one day by evaporation and dissolution. No substancial bioaccumulation. If big quantities are released, the product can penetrate into soil and have harmful effect on ground water.
- **Aquatic toxicity:**
Fish toxicity:
LC50: 11200 mg/l/24h (Oncorhynchus mykiss, US EPA E03-05)
LC50: 13000 mg/l/96h (Oncorhynchus mykiss, OECD 203)
Daphnia toxicity:
LC50: 12340 mg/l/48h (Daphnia magna, ASTM E729-80)
Water plants:
EC50: 275 mg/l/72h (Chlorella vulgaris, OECD 201)
EC10: 12 mg/l/72h (Chlorella vulgaris, OECD 201)
Bacteria (Pseudomonas putida): Toxic concentration limit: 6500 mg/l
Activated sludge : Damage above 15g Ethanol/l
- **Behaviour in sewage plants:** EC50: > 1000 mg/l.
- **General advices:** Prevent from entering sewage water or drainage ditch undiluted or unneutralized.
- **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.

Page 5 of 5 Print Date 30.11.2018	Material Safety Data Sheet according to Regulation (EC) No. 1907/2006 (REACH) Steinkohlenteerlösung	 Revision Date 30.11.2018
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14 Transport informations

- **Land transport according to ADR:**
- **Proper shipping name:** Tinctures, medical
- **Class:** 3
- **UN-number:** 1293
- **Packing group:** III
- **Classification code:** F1
- **Limited quantities (Table 3.4.6. ADR):** 5 Liter
- **Hazard classification number:** 30
- **Special provisions (Chapter 3.3 ADR):** -
- **Additional informations for sea transport IMDG:**
- **EMS-No.:** F-E, S-D
- **Properties:** Fp=21°C

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:** GHS02, GHS08
- **Signal word:** Danger
- **H-Phrases:**
H226 Flammable liquid and vapour
H350 May cause cancer
- **P-Phrases:**
P211 Do not spray on an open flame or other ignition source
P202 Do not handle until all safety precautions have been read and understood
P280 Wear protective gloves/protective clothing/eye protection/face protection
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 6.1C
- **VbF class:** B

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.