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

· **Informations to product No. 2213**

· **Product name:**

Dithranol, API
Dithranolum

· **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:** Warning

· **H-Phrases:**

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

· **P-Phrases:**

P305 IF IN EYES:


P351 Rinse continuously with water for several minutes

P280 Wear protective gloves/protective clothing/eye protection/face protection

Skin Irrit. 2

Eye Irrit. 2

STOT SE 3

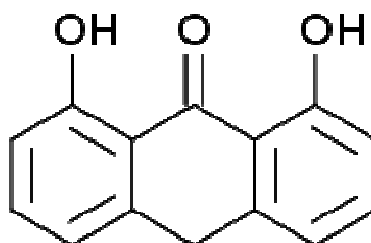
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3 Composition / information on ingredients

CAS-No. Substance name

1143-38-0 1,8-Dihydroxy-10H-anthracen-9-on

- **Identification number(s)**
- **EINECS-No.:** 214-538-0
- **REACH Reg. No.:** (pre-registered)
- **INCI-Name:** -
- **Chemical characterization:**



4 First aid measures


- **after inhalation:** Bring the person out of the contaminated area to fresh air, call in doctor immediately. Show product-label or this MSDS.
- **after skin contact:** Take off contaminated clothes and shoes, wash away immediately with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Let drink plenty of water, seek medical help 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.

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7 Handling and storage

- **Handling:** No special requirements.
- **Advice on safe handling:** Good exhaustion / ventilation of working place.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. Protect from light.
- **Advices on common storage:** Not required.
- **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
- **Eye protection:** Safety glasses.

9 Physical and chemical properties

- **Form:** Powder
- **Colour:** yellow
- **Odour:** odourless
- **Melting point / melting range:** 178 - 182 °C
- **Boiling point / boiling range:** not determined
- **Flammability (solid, vapours):** The product is not flammable.
- **Decomposition temperature:** >100 °C
- **Density:** not determined
- **Bulk density:** 430 - 710 kg/m³
- **Solubility in / Miscibility with**
- **Water:** Soluble in alkaline media.

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Light (Danger of decomposition). The product is stable if used appropriately.
- **Materials to avoid:** Strong oxidizers.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** At high temperatures harmful or irritant decomposition products are released.

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11 Toxicological information

- **Acute toxicity:**

LD50 (oral, Rat): 3216 mg/kg

LD50 (oral, Mouse): 1542 mg/kg

- **LD/LD50-data relevant for hazard classification:**

1143-38-0 1,8-Dihydroxyanthranol

Oral: LD50: 1542 (mus)

LD50: 3216 mg/kg (rat)

Dermal: LD50: 5000 mg/kg (rat)

Inhal.: LC50/4 h: 0,012 mg/l (rat)

- **Primary irritant effect:**

- **on skin:** Strong irritations.

- **on eyes:** Strong irritations.

Ingestion can cause bleedings of mucous membranes and irritate the gastrointestinal tract

- **Sensitization:** Sensitization possible by inhalation and skin contact.

12 Ecological information

- **Information about elimination (persistence and degradability):** The product is inert, persistent, not biodegradable and not bioaccumulating.

- **Aquatic toxicity:** Product is not soluble in water. No ecotoxicological data in waters available.

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

- **Water hazard class:** 2 (self classification): hazardous for water.

13 Disposal considerations

- **Recommendation:** Disposal according to local regulations as pharmaceutical waste or organic laboratory chemicals.

- **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.

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:** GHS07


- **Signal word:** Warning

- **H-Phrases:**

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• **P-Phrases:**

P305 IF IN EYES:

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P280 Wear protective gloves/protective clothing/eye protection/face protection

• **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.