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

· **Informations to product No. 4175**

· **Product name:**

Chlorocresol
Chlorocresolum

· **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.

3 Hazards identification

· **GHS-Labeling Elements:**



· **Signal word:** Danger

· **H-Phrases:**

H302 Harmful if swallowed

H312 Harmful in contact with skin

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H400 Very toxic to aquatic life

· **P-Phrases:**

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

P302 IF ON SKIN:

P352 Wash with soap and water


P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

Acute Tox. 4

Eye Dam. 1

Skin Sens. 1

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Aquatic Acute 1

2 Composition / information on ingredients

• Chemical characterization:

CAS-No. Substance name

59-50-7 Chlorocresol

• **EINECS-No.:** 200-431-6

• **Index-No.:** 604-014-00-3

• **REACH-Reg.-No.** 01-2119938953-25-0000

• **INCI-Name:** P-Chloro-M-Cresol

4 First aid measures

• **after inhalation:** Fresh air and seek medical advice.

• **after skin contact:** Wash away with water and soap immediately and rinse off.

Remove contaminated clothing.

• **after eye contact:** Rinse out with plenty of water with the eyelid wide open , seek medical advice, even if no immediate symptoms are observed.

• **after swallowing:** Drink plenty of water, Induce vomiting, 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: Hydrogen chloride, toxic vapours.

• **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, Do not inhale dust.

• **Environmental protective measures:** Prevent from entering into surface water, the ground water system or soil.


• **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.

• **Storage:**

• **Requirements for storage areas and containers:** Tightly closed. Store at a dry and good ventilated place. At room temperature (+15°C to +25°C).

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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:** Required if dusts are generated.
- **Hand protection:** Protection gloves of rubber or nitrile rubber.
- **Eye protection:** Safety glasses.

9 Physical and chemical properties


- **Form:** solid
- **Colour:** light yellow
- **Odour:** like phenol
- **Melting point / melting range:** 63 - 65 °C
- **Boiling point / boiling range:** ca. 238 °C
- **Flash point:** 118 °C
- **Flammability (solid, vapours):** The product is not flammable.
- **Ignition temperature:** 590 °C
- **Vapour pressure:** (20 °C) < 0,1 hPa (100 °C) 7 hPa
- **Density:** (20 °C) 1,37 g/cm³
- **Bulk density:** ca. 0,8 g/cm³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 3,9 g/l, (50 °C) 7 g/l
- **pH-range:** (1 g/l, 20 °C) 6,5

10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use. Do not store in metal containers.
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** In case of fire dangerous vapours/gases can be generated.

11 Toxicological information

- **Acute toxicity:**
LD50 (oral, Rat): 1830 mg/kg
LD50 (dermal, Rat): > 2000 mg/kg
LC50 (inhal., Rat): > 704 mg/cbm/4h
- **Primary irritating effect:** For phenols generally:
- **on skin:** Strong irritations.
- **on eyes:** Strong irritations with danger of serious eye damages.
- **Sensitization:** Sensitization by skin contact possible.
- **Additional toxicological informations:** After resorption of toxic quantities: Central nervous disorder.

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12 Ecological information

- **Aquatic toxicity:**

Fishes: LC50 Oncorhynchus mykiss: 0,9 mg/l; 96 h
Daphnia: EC50 Daphnia magna: 2 mg/l; 48 h (IUCLID)
Algues: IC50 Desmodesmus subspicatus: 4,2 mg/l; 72 h (IUCLID)
Bacteria: EC50 Activated sludge: 60 mg/l; 3 h (IUCLID)

- **Log pOW:** 3,02

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

13 Disposal considerations

- **Product:**

- **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:**

- **Proper shipping name:** Environmentally hazardous substance, n.o.s., Chlormethylphenol

- **Class:** 9

- **UN-number:** 3077

- **Packing group:** III

- **Classification code:** M7

- **Limited quantities (Table 3.4.6. ADR):** 5 kg

- **Hazard classification number:** 90

- **Special provisions (Chapter 3.3 ADR):** 274

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

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

- **Properties:** m.p.

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, GHS07, GHS09

- **Signal word:** Danger

- **H-Phrases:**


H302 Harmful if swallowed

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P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

• **National regulations (Germany):**

• **Water hazard class:** see chapter 12

• **Storage class TRGS 510:** 6.1C

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.