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

- Informations to product No. 2177
- Product name:

**Chinolingelb**  
Chinolingelb, E104  
Quinoline yellow

- 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

## 2 Hazards identification

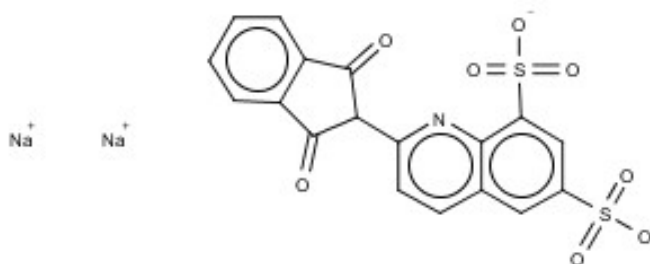
- **Hazard classification:** The substance is not classified as dangerous according to European Union legislation.


## 2 Composition / information on ingredients

### CAS-No. Substance name

95193-83-2 Chinophthalon color

- EINECS-No.: 305-897-5
- REACH Reg. No.: 01-2120752822-53-0000
- INCI-Name: Acid Yellow 3
- CI generic name: Acid Yellow 3 / Food Yellow 13
- CI-No.: 47005
- Chemical characterization:



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## 4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, if feeling unwell continuously, seek medical advice.
- **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. If irritation continues call ophthalmologist.
- **after swallowing:** Drink water. Avoid vomiting. 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: 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 contact with substance. Wear suitable protective equipment according to Chapter 8 of this MSDS. Assure appropriate ventilation.
- **Methods for cleaning:** Take up dry. Avoid generation of dusts. Disposal according to Chapter 13 of this MSDS. Clean up with water.
- **Additional information:** Do not empty into drains, prevent from contaminating surface water or the ground water system.

## 7 Handling and storage


- **Handling:** No special requirements.
- **Advice on safe handling:** No special measures required.
- **Informations to fire or explosion protection:** No special measures required.
- **Storage:**
- **Requirements for storage areas and containers:** Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ).
- **Advices on common storage:** Not required.

## 8 Exposure controls / personal protective equipment

### Components with limit values that require monitoring at the workplace:

The general dust concentration limit has to be observed.

- **Personal protective equipment:** Good ventilation / exhaustion of working place.
- **General protective and hygiene measures:** The usual precaution measures during handling of chemicals are to observe.
- **Respiratory protection:** Dust protection mask.

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- **Hand protection:** Protection gloves of latex or rubber
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** powder
- **Colour:** yellow
- **Odour:** odourless
- **Melting point / melting range:** not determined
- **Boiling point / boiling range:** not determined
- **Flash point:** not determined
- **Flammability (solid, vapours):** The product is not flammable.
- **Bulk density:** ca. 700 kg/m<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 225 g/l
- **pH-range:** (10 g/l, 20 °C) 7 - 8

## 10 Stability and reactivity


- **Thermal decomposition / conditions to avoid:** No decomposition during appropriate use.  
Thermal decomposition above 150 °C
- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** At high temperatures irritant or harmful vapours are released.

## 11 Toxicological information

- **Acute toxicity:**  
**LD/LD50-data relevant for hazard classification:**  
95193-83-2 Quinoline Yellow 70 E 104  
Oral: LD50: > 10 000 mg/kg (rat)
- **Primary irritating effect:** Not irritant on skin and mucous membranes.

## 12 Ecological information

- **Ecotoxicity**  
Fich: *Oryzias latipes*/LC50 (48 h): 1.000 mg/l .  
Daphnia: *Daphnia magna*/EC50 (48 h): > 100 mg/l  
Microorganisms/effect on activated sludge: DIN/EN/ISO 8192-OECD 209-88/302/EWG, T. C aerob  
activated sludge/EC20 (30 min): < 1.000 mg/l  
Acute not harmful for water organisms.
- **Persistence and biodegradability**  
Elimination: method: ISO 18749 (aerob), activated sludge, analysis method: colour fading.  
Elimination: 10 – 20 % (3 d)  
Method: ISO 18749 (aerob), activated sludge, analysis method: DOC-reduction. Elimination: 0 – 10 % (3 d)  
Evaluation: The colouring agent is not eliminated sufficiently in sewage plants.
- **Bioaccumulation potential:** Accumulation in organisms is not likely.

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- **log p(O/W):** (25 °C) 1,1
- **Water hazard class:** 1 (self classification): slightly 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:**  
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

### 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.