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

· **Informations to product No. 4180**

· **Product name:**

### **Chlorhexidindiacetat, API** Chlorhexidini diacetat

· **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:**

H302 Harmful if swallowed

H319 Causes serious eye irritation

H410 Very toxic to aquatic life with long lasting effects

· **P-Phrases:**

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

P305 IF IN EYES:

P351 Rinse continuously with water for several minutes


P313 Get medical advice/attention

P273 Avoid release to the environment

**Eye Irrit. 2**

**Aquatic Acute 1**

**Aquatic Chronic 1**

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### 3 Composition / information on ingredients

**CAS-No. Substance name**

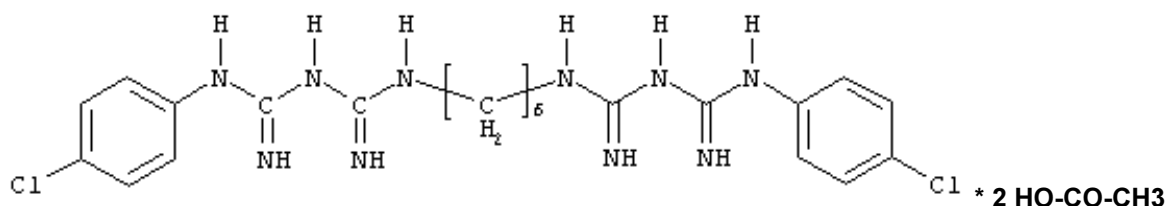
56-95-1 Chlorhexidindiacetat

• **EINECS-No.:** 200-302-4

• **REACH Reg. No.:** (pre-registered)

• **INCI-Name:** Chlorhexidine Diacetate

• **Chemical characterization:**



### 4 First aid measures

- **after inhalation:** Fresh air, if feeling unwell 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 in ophthalmologist..
- **after swallowing:** Rinse mouth, drink plenty of water. 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 but not flammable. In case of fire dangerous gases / vapours can be released: Smoke gases, organic chlorine compounds.
- **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:**
- **Advice on safe handling:** No special measures required.

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- **Informations to fire or explosion protection:** Take measures to prevent electrostatic charging.
- **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.
- **Additional informations to storage conditions:** protect from light.

## 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.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties


- **Form:** crystalline powder
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 154 - 155 °C
- **Boiling point / boiling range:** not determined
- **Flash point:** not applicable
- **Flammability (solid, vapours):** The product is not flammable.
- **Density:** not determined
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 19 g/l
- **pH-range:** (solution, 20 °C) ca. 7

## 10 Stability and reactivity

- **Hazardous decomposition products:**  
At high temperatures irritant or harmful vapours are released.

## 11 Toxicological information

- **Acute toxicity:**  
**LD/LD50-data relevant for hazard classification:**  
56-95-1 Chlorhexidine diacetate  
LD50 oral. rat: 1180 – 1710 mg/kg
- **Primary irritant effect:**
- **on skin:** Irritant effect on skin and mucous membranes.
- **on eyes:** Irritant effect.

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## 12 Ecological information

- **General advices:**

Prevent from leaking into ground water, environment waters or drainage, even in small quantities.

- **Water hazard class:** 3 (VwVwS-classification): Very 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:** Environmentally hazardous substance, solid, n.o.s. (Chlorhexidine-Diacetate)
- **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:** GHS07, GHS09

- **Signal word:** Warning

- **H-Phrases:**

H302 Harmful if swallowed

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- **P-Phrases:**

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- **National regulations (Germany):**

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

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· **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.