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

· Informations to product No. 4180
· Product name:
  Chlorhexidindiacetat, API
  Chlorhexidini diacetas

· 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-Labelling 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
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:

![Chemical structure](image)

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.
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 ).

Advises 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.
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
    - 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
  - **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.