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

- **Informations to product No. 5417**
- **Product name:**

**Natriumedetat**  
Dinatrii edetas, Natrium-EDTA

- **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:** Warning

- **H-Phrases:**

H332: Harmful if inhaled

H373: May cause damage to organs through prolonged or repeated exposure (inhalation)

- **P-Phrases:**

P260: Do not breathe dust

P314: Get Medical advice/attention if you feel unwell

**Acute Tox. 4**


**STOT RE 2**

## 2 Composition / information on ingredients

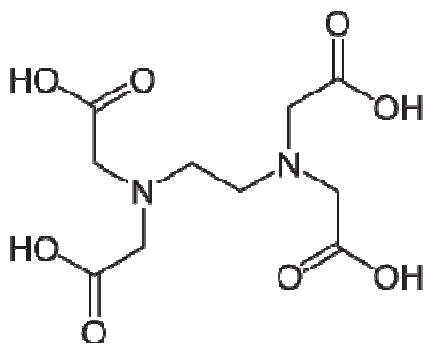
**CAS-No. Substance name**

6381-92-6 Disodium ethylene diamine tetraacetate dihydrate

- **EINECS-No.:** 205-358-3

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- **REACH-Reg. No.:** 01-2119486775-20-0000
- **INCI-Name:** Disodium EDTA
- **Chemical characterization:**



Dinsodium-salt dihydrate

#### 4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air. Seek medical advice.
- **after skin contact:** Take off contaminated clothes, Wash away with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** 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, but not flammable. In case of fire dangerous vapours/gases can be generated: Smoke gases.
- **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.
- **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:**
- **Advice on safe handling:** 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 ).

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## 8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber.
- **Eye protection:** Safety glasses.

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 244 - 246 °C
- **Flash point:** not determined
- **Decomposition temperature:** > 246 °C
- **Density:** (20 °C) 0,6 g/cm<sup>3</sup>
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 100 g/l
- **pH-range:** (50 g/l, 20 °C) 4 - 5

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Strong heating.
- **Hazardous decomposition products:**  
At high temperatures irritant or harmful vapours are released.
- **Additional information:** Release of crystal water after heating.

## 11 Toxicological information


- **Acute toxicity:**  
**LD/LD50-data relevant for hazard classification:**  
6381-92-6 Sodium ethylene diamine tetraacetate (Disodium salt)  
Oral: LD50: 2800 mg/kg (rat) Source: ECHA
- **Sub-acute / chronic toxicity:** slow resorption. Disturbings in the electrolyte system.

## 12 Ecological information

- **Information about elimination (persistence and degradability):** BSB5: 0,01 g/g.
- **Aquatic toxicity:** Fish: *L. macrochirus* LC50: 159 mg/l/96h.
- **General advices:** Prevent from leaking into ground water, environment waters or drainage.
- **Water hazard class:** 2 (VwVwS): hazardous for water.

## 13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.

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- **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, GHS08
- **Signal word:** Warning
- **H-Phrases:**  
H332: Harmful if inhaled  
H373: May cause damage to organs through prolonged or repeated exposure (inhalation)
- **P-Phrases:**  
P260: Do not breathe dust  
P314: Get Medical advice/attention if you feel unwell
- **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.