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

· **Informations to product No. 2709**

· **Product name:**

Trometamol
Trometamolum

· **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:**

H315 Causes skin irritation

H319 Causes serious eye irritation

H335 May cause respiratory irritation

· **P- Phrases:**

P261 Avoid breathing dust/fume/gas/mist/vapours/spray


P305 IF IN EYES:

P351 Rinse continuously with water for several minutes

Eye Irrit. 2

Skin Irrit. 2

STOT SE 3

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3 Composition / information on ingredients

CAS-No. Substance name

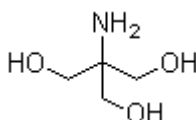
77-86-1 Trometamol

• **EINECS-No.:** 201-064-4

• **REACH Reg. No.:** 01-2119957659-16-0000

• **INCI-Name:** Tromethamine

• **Chemical characterization:**



4 First aid measures

- **after inhalation:** Bring the person out of the contaminated area to fresh air, if irritations continue, seek medical advice.
- **after skin contact:** Wash away with water and soap.
- **after eye contact:** Rinse out with plenty of water with the eyelid wide open.
- **after swallowing:** Drink plenty of water. Induce vomiting. If irritations continue, 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.
- **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 place. At room temperature (+15°C to +25°C).

8 Exposure controls / personal protective equipment

- **Personal protective equipment:**
- **Respiratory protection:** Dust protection mask.

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

9 Physical and chemical properties

- **Form:** solid
- **Colour:** colourless
- **Odour:** odourless
- **Melting point / melting range:** 169 - 171 °C
- **Boiling point / boiling range:** 219 - 220 °C (13,3 hPa)
- **Flash point:** not determined
- **Density:**
- **Bulk density:** ca. 840 kg/m³
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 800 g/l
- **pH-range:** (0,1 mol/l, 20 °C) 10,4

10 Stability and reactivity


- **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:
77-86-1 Trometamol
Oral: LD50: 5900 mg/kg (rat)
- **Spezifisches Symptome In animal experiments:**
In animal experiments: Very low acute toxicity.
- **Primary irritant effect:**
- **on skin:** mechanic cal irritations possible.
- **on eyes:** Irritations.
- **Additional toxicological informations:** Degreasing effect with possible secondary inflammation..

12 Ecological information

- **Ecotoxicological data:**
LC50 (Fish): > 10000 mg/l
EC50 (Algae): > 100 mg/l
Ecotoxic effects very low
- **Log pOW:** -2,31
- **Water hazard class:** 1 (VwVwS, Annex 3): slightly hazardous for water.
- **General advices:**
Low bioaccumulation potential (BCF < 100).

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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 is classified and labelled according to GHS-regulations.
- **Hazard symbols:** GHS07
- **Signal word:** Warning
- **H-Phrases:**
H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation
- **P- Phrases:**
P261 Avoid breathing dust/fume/gas/mist/vapours/spray
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:** 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.