



Trade name: Trometamolium

Substance number: 068380

Version: 1 / CH

Date revised: 13.01.12

Replaces Version: - / CH

Date of printing: 16.08.12

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

1.1. Product identifier

Trometamolium

Item-No. 06838000

1.2. Relevant identified uses of the substance or mixture and uses advised against

Use of the substance/preparation

Manufacture of pharmaceutical products, Manufacture of cosmetics

1.3. Details of the supplier of the safety data sheet

Address

Hänseler AG

Industriestrasse 35

9101 Herisau

Telephone no. 0041 (0)71 353 58 58

E-mail address of sdb@haenseler.ch

person responsible
for this SDS

1.4. Emergency telephone number

Switzerland :145 / Abroad +41 (0)44 251 51 51

2. Hazards identification

2.1. Classification of the substance or mixture

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Irrit. 2 H315

Eye Irrit. 2 H319

Classification in accordance with EC directives

Classification Xi, R36/38

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal Word

Warning

Hazard statements

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Precautionary statements

P302+P352 IF ON SKIN: Wash with plenty of soap and water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.



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Labelling in accordance with EC directives 1999/45/EC and 67/548/EEC

The product is classified and labelled in accordance with EC directives/the relevant national laws.

Hazard symbols



Irritant

R phrases

36/38 Irritating to eyes and skin.

S phrases

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 37 Wear suitable gloves.
 60 This material and its container must be disposed of as hazardous waste.

3. Composition/information on ingredients

Hazardous ingredients

trometamol

CAS No.	77-86-1			
EINECS no.	201-064-4			
Concentration		>=	50	%
Classification	Xi, R36/38			

Classification (Regulation (EC) No. 1272/2008)	
Skin Irrit. 2	H315
Eye Irrit. 2	H319

4. First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air.

After skin contact

In case of contact with skin wash off with water. Remove contaminated, soaked clothing immediately and dispose of safely. Summon a doctor immediately.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After ingestion

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

4.2. Most important symptoms and effects, both acute and delayed

Causes very strong irritations of the eyes, skin and mucous membranes. Cyanosis, Excitement, Nausea, Vomiting, Convulsions, Muscular atrophy, amnesia, coma

5. Firefighting measures

5.1. Extinguishing media



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Suitable extinguishing media

Water, Carbon dioxide, Foam, Dry powder

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Nitrogen oxides (NOx); In case of combustion evolution of dangerous gases possible.

5.3. Advice for firefighters**Special protective equipment for fire-fighting**

Use self-contained breathing apparatus. Use personal protective clothing.

Other information

Suppress vapours with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains.

6. Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not inhale dust. Ensure adequate ventilation.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

To pick up dry. Dispose of absorbed material in accordance with the regulations. Clean up affected area. Avoid raising dust.

6.4. Reference to other sections

Information regarding Waste Disposal, see chapter 13.

7. Handling and storage**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value 15 - 25 °C

Requirements for storage rooms and vessels

Keep container tightly closed and dry.

8. Exposure controls/personal protection**8.1. Control parameters****Exposure limit values****trometamol**

List	SUVA		
Type	MAK		
Value	0,1	mg/m ³	
Short term exposure limit	0,2	mg/m ³	
Maximum limit value: 4x15; Pregnancy group: C; Status: 2005;			

8.2. Exposure controls**Exposure controls**

See chapter 7. No measures exceeding the ones mentioned are necessary.

General protective and hygiene measures



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Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection.
Wash hands before breaks and after work.

Respiratory protection

Particle filter P2

Hand protection

Protective gloves

Use of the

substance/preparation

Appropriate Material

Material thickness

Penetrating time

Protective gloves

Use of the

substance/preparation

Appropriate Material

Material thickness

Penetrating time

Permanent hand contact

nitrile rubber - NBR

0.11 mm

> 480 min

Short-term hand contact

nitrile rubber - NBR

0.11 mm

> 480 min

Eye protection

Safety glasses

Body protection

Protective clothing

9. Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form**

solid

Colour

colourless

Odour

odourless

pH

Value 10.2 to 10.6

Concentration/H₂O 6 g/l

Temperature 20 °C

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Melting point

Value 168 to 172 °C

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Boiling point

Value 219 to 220 °C

Pressure 13.3 hPa

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Flash point

Remarks No data available

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Evaporation rate (ether = 1) :

Remarks No data available

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Flammability

No data available

Source Safety Data Sheet Supplier

Explosion limits



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Remarks No data available
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Vapour pressure

Remarks No data available
Source Safety Data Sheet Supplier

Density

Value 1.353 g/cm³
Temperature 23 °C

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Value appr. 840 kg/m³

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Solubility in water

Value 800 g/l

Temperature 20 °C

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Solubility in other solvents

Remarks No data available
Source Safety Data Sheet Supplier

Octanol/water partition coefficient (log Pow)

log Pow -1.56

method calculated

Source Literature value

Ignition temperature

Remarks No data available
Source Safety Data Sheet Supplier

Viscosity**dynamic**

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9.2. Other information**Bulk density**

Value appr. 840 kg/m³

10. Stability and reactivity**10.4. Conditions to avoid**

Protect from extreme heat and cold.

10.5. Incompatible materials

Bases, Reactions with oxidising agents.

10.6. Hazardous decomposition products**Other information**

Vapours and gases can form an explosive mixture with air.

11. Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Species rat
LD50 5.900 mg/kg



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Acute inhalational toxicity

Remarks Irritating to respiratory system.

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Skin corrosion/irritation

Remarks Irritating to skin.

Source Safety Data Sheet Supplier

Serious eye damage/irritation

Remarks Danger acute eye damage.

Source Safety Data Sheet Supplier

Other information

Observe the usual precautions for handling chemicals.

12. Ecological information**12.2. Persistence and degradability****Biodegradability**

Value 89 %

Duration of test 28 d

Remarks Quantitative data concerning the ecological effect are not available.

Source Safety Data Sheet Supplier

12.3. Bioaccumulative potential**Octanol/water partition coefficient (log Pow)**

log Pow -1.56

method calculated

Source Literature value

12.6. Other adverse effects**General information / ecology**

Do not allow it to reach soil, ground water, water bodies or sewage system.

13. Disposal considerations**13.1. Waste treatment methods****Disposal recommendations for the product**

EWC waste code No not dispose with rubbish.

Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

14. Transport information**Land transport ADR/RID**

Non-dangerous goods

Marine transport IMDG/GGVSee

The product does not constitute a hazardous substance in sea transport.

Air transport ICAO/IATA

The product does not constitute a hazardous substance in air transport.



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15. Regulatory information

16. Other information

R-phrases listed in chapter 3

36/38 Irritating to eyes and skin.

Hazard statements listed in chapter 3

H315 Causes skin irritation.

H319 Causes serious eye irritation.

Supplemental information

Relevant changes compared with the previous version of the safety data sheet are marked with: ***

This information is based on our present state of knowledge. However, it should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.