

Trade name: Tetracaini hydrochloridum

Substance number: 068203

Version: 6 / CH

Date revised: 12.09.2023

Replaces Version: 5 / CH

Print date: 12.09.23

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

1.1. Product identifier

Tetracaini hydrochloridum

Item No. 06820300

Registration no.

EC No.: 205-248-5

CAS No. 136-47-0

1.3. Details of the supplier of the safety data sheet

Address/Manufacturer

Hänseler AG

Industriestrasse 35

9100 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

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

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

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

Acute Tox. 4 H302

Skin Irrit. 2 H315

Eye Dam. 1 H318

Aquatic Chronic 2 H411

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms



Signal word

Danger

Hazard statements ***

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Trade name: Tetracaini hydrochloridum

Substance number: 068203

Version: 6 / CH

Date revised: 12.09.2023

Replaces Version: 5 / CH

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P264.1	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTER or doctor.
P501.3	Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Tetracaine hydrochloride

2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients**Hazardous ingredients****Tetracaine hydrochloride**

CAS No.	136-47-0		
EINECS no.	205-248-5		
Concentration	>=	100	%
Classification (Regulation (EC) No. 1272/2008)			
	Acute Tox. 4		H302
	Skin Irrit. 2		H315
	Eye Dam. 1		H318
	Aquatic Acute 2		H401
	Aquatic Chronic 2		H411
ATE	oral	300	mg/kg

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Remove contaminated clothing immediately and dispose of safely. Remove affected person from danger area, lay him down. If the patient is likely to become unconscious, place and transport in stable sideways position. Adhere to personal protective measures when giving first aid

After inhalation

Remove the casualty into fresh air and keep him calm. Summon a doctor immediately. After inhalation of decomposition products: Inhale corticosteroid-dosing-aerosol immediately.

After skin contact

Wash off immediately with soap and water. Summon a doctor immediately.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Eye doctor.

After ingestion

Rinse out mouth and give plenty of water to drink. Induce vomiting if patient is conscious, seek medical advice.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions), no specific antidote known. On pulmonary

Trade name: Tetracaini hydrochloridum

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Version: 6 / CH

Date revised: 12.09.2023

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edema gife corticosteroides (e.g. Prednisolon).

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Carbon dioxide, Dry powder, Alcohol-resistant foam, Water spray jet

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

Carbon dioxide (CO₂); Carbon monoxide (CO); Hydrogen chloride (HCl); Nitrogen oxides (NO_x); Under certain fire conditions the smoke may contain other toxic compounds.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations. Do not inhale explosions- and combustion gases.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale dust. Avoid dust formation. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. Refer to protective measures listed in Sections 7 and 8.

6.2. Environmental precautions

Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

For small amounts: take up with appropriate instrument and dispose. For tall amounts: Take up mechanically and collect in suitable container for disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid dust formation. Avoid inhaling dusts/ billows/ steams. Avoid contact with skin, eyes and clothing. Provide good ventilation of working area (local exhaust ventilation if necessary). Transfer and handle only in enclosed systems.

Advice on protection against fire and explosion

Take action to prevent static discharges. Keep away from sources of ignition. The product is capable of dust explosions. Avoid dust formation.

7.2. Conditions for safe storage, including any incompatibilities

Storage classes

Storage class according to TRGS 510	11	Combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

Further information on storage conditions

Protect from heat. Protect from light. Keep container tightly closed and dry.

Trade name: Tetracaini hydrochloridum

Substance number: 068203

Version: 6 / CH

Date revised: 12.09.2023

Replaces Version: 5 / CH

Print date: 12.09.23

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Do not breathe dust. Avoid contact with skin and eyes. Women of childbearing age should avoid the contact with the product. Take off immediately all contaminated clothing. Keep away from food-stuffs, beverages and feed-stocks. Do not eat, drink or smoke during work time. Clean skin thoroughly after work; apply skin cream. Take a shower after work finish.

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Respiratory protection mask with combination filter A/P2

Hand protection

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material	Butyl rubber		
Material thickness	0.7	mm	
Breakthrough time	> 480	min	
Hand protection must comply with EN 374.			

Eye protection

Tightly fitting safety glasses; Face shield; Eye protection must comply with EN 166.

Body protection

Impermeable protective clothing; Boots; Personal protective clothing must comply with the relevant CEN standards.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	solid		
Colour	cream colour		
Odour	odourless		
Physical state	Crystalline powder		
Melting point			
Value	130		°C
Boiling point or initial boiling point and boiling range			
Remarks	No data available		
Flash point			
Value	> 100		°C
Decomposition temperature			
Value	> 140		°C
Remarks	No decomposition if used as prescribed.		
pH value			
Value	4.5		
Concentration/H ₂ O	10	g/l	
Solubility(ies)	Ethanol		
Partition coefficient n-octanol/water (log value)			
log Pow	0.20		
Method	calculated		

Trade name: Tetracaini hydrochloridum

Substance number: 068203

Version: 6 / CH

Date revised: 12.09.2023

Replaces Version: 5 / CH

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9.2. Other information**Solubility in water**

Value	150		g/l
Temperature	20	°C	

Efflux time

Remarks No data available

SECTION 10: Stability and reactivity**10.1. Reactivity**

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Avoid dust formation.

10.5. Incompatible materials

Mercury, Iodine, Acids, Alkalies, Oxidising agents, Reducing agents, Silvercompounds, Salts of heavy metals, Danger of dust explosion, Developpment of toxic gases/vapours.

10.6. Hazardous decomposition products

Carbon monoxide, Carbon dioxide, Hydrogen chloride (HCl), nitrous oxides (NOx), Toxic gases/vapours

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	300	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**Tetracaine hydrochloride**

Species	rat		
LD50	300	500	mg/kg
Method	OECD 423		

Tetracaine hydrochloride

Species	rat		
LD50	342		mg/kg

Acute inhalative toxicity (Components)**Tetracaine hydrochloride**

Administration/Form	Dust/Mist
Remarks	Irritating to respiratory system.

Skin corrosion/irritation (Components)**Tetracaine hydrochloride**

evaluation	irritant
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Serious eye damage/irritation (Components)**Tetracaine hydrochloride**

Remarks	Risk of serious damage to eyes.
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Trade name: Tetracaini hydrochloridum

Substance number: 068203

Version: 6 / CH

Date revised: 12.09.2023

Replaces Version: 5 / CH

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Mutagenicity (Components)**Tetracaine hydrochloride**

evaluation	No mutagenicity in the Ames-test.
Method	OECD 471

Carcinogenicity (Components)**Tetracaine hydrochloride**

Remarks	No evidence available on carcinogenicity.
Source	IARC

11.2 Information on other hazards**Endocrine disrupting properties with respect to humans**

This substance does not have endocrine disrupting properties with respect to humans.

Other information

Warning - substance not yet fully tested.

SECTION 12: Ecological information *****12.1. Toxicity****Daphnia toxicity (Components)****Tetracaine hydrochloride**

Species	Daphnia magna		
EC50	1.49		mg/l
Duration of exposure	48	h	
Method	OECD 202		

Bacteria toxicity (Components)**Tetracaine hydrochloride**

Species	activated sludge		
EC20	54		mg/l
Duration of exposure	180	min	
Method	OECD 209		

12.2. Persistence and degradability**Biodegradability (Components)****Tetracaine hydrochloride**

evaluation	Slightly biodegradable
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12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

log Pow	0.20
Method	calculated

12.4. Mobility in soil**Mobility in soil (Components)****Tetracaine hydrochloride**

Will not adsorb on soil.

12.5. Results of PBT and vPvB assessment**Results of PBT and vPvB assessment *****

The Substance does not meet PBT-criteria.
This substance does not meet the vPvB-criteria.

Trade name: Tetracaini hydrochloridum

Substance number: 068203

Version: 6 / CH

Date revised: 12.09.2023

Replaces Version: 5 / CH

Print date: 12.09.23

12.6 Endocrine disrupting properties

Endocrine disrupting properties with respect to the environment

This substance does not have endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects

General information / ecology

Warning - substance not yet fully tested.

SECTION 13: Disposal considerations

13.1. Waste treatment methods




Disposal recommendations for the product

Do not allow to enter drains or water courses.
Disposal in compliance with local and national regulations.

Disposal recommendations for packaging

Dispose of as unused product.

SECTION 14: Transport information

	Land transport ADR/RID	Marine transport IMDG/GGVSee	Air transport ICAO/IATA
Tunnel restriction code	-		
14.1. UN number	3077	3077	3077
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tetracaine hydrochloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tetracaine hydrochloride)	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Tetracaine hydrochloride)
14.3. Transport hazard class(es)	9	9	9
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		

SECTION 15: Regulatory information ***

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Water Hazard Class (Germany) ***

Water Hazard Class (Germany) WGK 3

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Replaces Version: 5 / CH

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Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information**Hazard statements listed in Chapter 3**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H318	Causes serious eye damage.
H401	Toxic to aquatic life.
H411	Toxic to aquatic life with long lasting effects.

CLP categories listed in Chapter 3

Acute Tox. 4	Acute toxicity, Category 4
Aquatic Acute 2	Hazardous to the aquatic environment, acute, Category 2
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic, Category 2
Eye Dam. 1	Serious eye damage, Category 1
Skin Irrit. 2	Skin irritation, Category 2

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.