

Trade name: Acid hydrochloricum 0,1 N

Substance number: 185100

Version: 2 / CH

Date revised: 03.08.2016

Replaces Version: 1 / CH

Print date: 03.08.16

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

1.1. Product identifier

Acid hydrochloricum 0,1 N

Item No. 18510000

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

Use of the substance/preparation

Reagent for analyses

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

SECTION 2: Hazards identification ***

2.1. Classification of the substance or mixture

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

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

Skin Corr. 1C H314

Eye Dam. 1 H318

Voluntary product information following the Safety Data Sheet format

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

The product does not require a hazard warning label in accordance with Regulation (EC) No 1272/2008.

SECTION 3: Composition/information on ingredients ***

3.2. Mixtures

Further ingredients ***

Water

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration >= 95 %

Advice: [4]

Hydrochloric acid

CAS No. 7647-01-0

EINECS no. 231-595-7

Registration no. 01-2119484862-27-XXXX

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Concentration < 1 %

Advice: [4]

Classification Xi, R37
C, R34

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

Skin Corr. 1B H314
STOT SE 3 H335

Concentration limits (Regulation (EC) No. 1272/2008)

STOT SE 3 H335 >= 10
Skin Corr. 1B H314 >= 25
Skin Irrit. 2 H315 >= 10 < 25
Eye Irrit. 2 H319 >= 10 < 25CLP Regulation (EC) No 1272/2008, Annex VI, Note B
DSD Directive 67/548/EEC, Annex I, Note B**Advice:**

[4] Voluntary information

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Ensure supply of fresh air.

After skin contact

After contact with skin, wash immediately with plenty of water. Remove contaminated clothing.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Eye doctor.

After ingestion

Drink water in small gulps. By continuous complaints consult a physician.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

The product is not combustible. In case of combustion evolution of dangerous gases possible. In the event of fire the following can be released: Hydrogen chloride gas

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. Do not discharge into surface waters/groundwater.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Do not inhale vapours. Avoid contact with eyes and skin. Ensure adequate ventilation. Refer to protective measures listed in sections 7 and 8.

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6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Pick up with absorbent material. Send in suitable containers for recovery or disposal. Clean up affected area.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage**7.1. Precautions for safe handling****Advice on safe handling**

Observe safety references and application instructions mentioned on can.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Do not use metal containers.

Further information on storage conditions

Keep container tightly closed.

SECTION 8: Exposure controls/personal protection *****8.2. Exposure controls****General protective and hygiene measures**

Wash contaminated clothing before reuse. Preventative skin protection. Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Breathing apparatus in the event of vapours.

Hand protection

Gloves

Appropriate Material	nitrile rubber - NBR
Material thickness	0.11 mm
Breakthrough time	> 480 min

Eye protection

Safety glasses

Body protection

Protective clothing

SECTION 9: Physical and chemical properties *****9.1. Information on basic physical and chemical properties****Form** liquid, clear**Colour** colourless**Melting point**

Value	appr. 0	°C
Source	Estimated value	

Initial boiling point and boiling range

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Value	appr. 100	°C
Source	Estimated value	

Flash point

Remarks	Not applicable
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Upper/lower flammability or explosive limits

Remarks	No data available
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Vapour pressure

Remarks	Not applicable
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Solubility in water

Temperature	20	°C
Remarks	soluble	

SECTION 10: Stability and reactivity**10.5. Incompatible materials**

Formation of gas with: Metals, Product reacts with: Water, Incompatible with: Metals

10.6. Hazardous decomposition products

In the event of fire the following can be released: Hydrogen chloride (HCl)

Other information

chemical stable

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity (Components)****Hydrochloric acid**

Species	rabbit	
LD50	900	mg/kg
Remarks	Ingestion causes burns of the upper digestive and respiratory tracts.	

Acute inhalative toxicity (Components)**Hydrochloric acid**

Reference substance	Hydrogen chloride	
Species	rat	
LC50	31000	ppm(V)
Duration of exposure	5	min
Administration/Form	Vapors	
Source	NCBI Bookshelf 1998	

Hydrochloric acid

Reference substance	Hydrogen chloride	
Species	mouse	
LC50	11200	ppm(V)
Duration of exposure	5	min
Administration/Form	Vapors	
Source	NCBI Bookshelf 1998	

Hydrochloric acid

Reference substance	Hydrogen chloride	
Species	rat	
LC50	5600	ppm(V)
Duration of exposure	30	min
Administration/Form	Vapors	

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Source NCBI Bookshelf 1998

Hydrochloric acid

Reference substance Hydrogen chloride

Species mouse

LC50 2100 ppm(V)

Duration of exposure 30 min

Administration/Form Vapors

Source NCBI Bookshelf 1998

Hydrochloric acid

Reference substance Hydrogen chloride

Species guinea pig

LC50 2519 ppm(V)

Duration of exposure 30 min

Administration/Form Vapors

Source Kirsch and Drabk 1982

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

Remarks No data available.

Fish toxicity (Components)**Hydrochloric acid**

Species Gambusia affinis

LC50 282 mg/l

Duration of exposure 96 h

12.2. Persistence and degradability**Biodegradability**

Remarks No data available.

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

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 *****

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.

SECTION 15: Regulatory information

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

Water Hazard Class (Germany)

Water Hazard Class WGK 3

(Germany)

Remarks Classification according to Annex 4 VwVwS

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not been carried out.

SECTION 16: Other information

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.