



Trade name: Acetylcholini chloridum/Sigma-Aldrich Gm

Substance number: 060025

Version: 1 / CH

Date revised: 30.01.12

Replaces Version: - / CH

Date of printing: 10.08.12

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

1.1. Product identifier

Acetylcholini chloridum/Sigma-Aldrich Gm
Item-No. 06002500

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

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
STOT SE 3	H335

Classification in accordance with EC directives

Classification Xi, R36/37/38

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.
H335	May cause respiratory irritation.

Precautionary statements

P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact



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lenses, if present and easy to do. Continue rinsing.

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

36/37/38

Irritating to eyes, respiratory system and skin.

S phrases

26

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

3. Composition/information on ingredients**Hazardous ingredients****acetylcholine chloride**

CAS No. 60-31-1

Concentration

>= 50 %

Classification

Xi, R36/37/38

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

Skin Irrit. 2 H315

Eye Irrit. 2 H319

STOT SE 3 H335

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

Seek medical advice immediately. In any case show the physician the Safety Data Sheet.

After inhalation

Remove the casualty into fresh air and keep him calm. Irregular breathing/no breathing: artificial respiration. Seek medical advice immediately.

After skin contact

Wash off immediately with soap and water and rinse well. Seek medical advice immediately.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Seek medical aid immediately.

After ingestion

Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical advice immediately.

5. Firefighting measures**5.1. Extinguishing media**



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Suitable extinguishing media

Water mist, Alcohol-resistant foam, Dry chemical extinguisher, Carbon dioxide

5.2. Special hazards arising from the substance or mixtureCarbon monoxide (CO); Carbon dioxide (CO₂); Nitrogen oxides (NO_x); Hydrogen chloride (HCl)**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

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

Wear protective equipment. Avoid dust formation. Do not inhale vapours. Do not inhale dust. Ensure adequate ventilation. Remove persons to safety.

6.2. Environmental precautions

Do not allow to enter drains.

6.3. Methods and material for containment and cleaning up

For tall amounts: Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

Information regarding Waste Disposal, see chapter 13.

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

Avoid contact with skin and eyes. Avoid dust formation. Avoid formation of aerosols. Provide exhaust ventilation if dust is formed.

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

Keep tightly closed in a dry and cool place.

Further information on storage conditions

Product is hygroscopic. Keep under inert gas.

8. Exposure controls/personal protection**8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

8.2. Exposure controls**General protective and hygiene measures**

Observe the usual precautions when handling chemicals. Wash hands before breaks and after work.

Respiratory protection

Dust mask; Short term: filter apparatus, Filter P1

Hand protection

Gloves

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



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location.

Eye protection

Safety glasses with side protection shield

Body protection

impermeable protective overalls

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

Form	crystalline
Colour	white
pH	
Remarks	No data available
Melting point	
Value	146 to 150 °C
Source	Literature value
Boiling point	
Remarks	No data available
Flash point	
Remarks	No data available
Vapour pressure	
Remarks	No data available
Density	
Remarks	No data available
Solubility in water	
Remarks	No data available
Thermal decomposition	
Remarks	not determined

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

Protect from atmospheric moisture and water.

Thermal decomposition

Remarks not determined

10.5. Incompatible materials

Strong oxidising agents

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

Species	rat		
LD50		2500	mg/kg

Skin corrosion/irritation

Remarks No data available.

Serious eye damage/irritation



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Remarks No data available.

Sensitization

Remarks No data available.

Mutagenicity

Remarks No data available.

Reproduction toxicity

Remarks No data available.

Carcinogenicity

Remarks No evidence available on carcinogenicity.

Source IARC

Experience in practice

May be harmful by inhalation. Irritating effect on the respiratory tract. In the case of swallowing with subsequent vomiting, aspiration of the lungs can occur which can lead to quick intake and damage of other organ systems.

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

Remarks No data available.

Daphnia toxicity

Remarks No data available.

Algae toxicity

Remarks No data available.

Bacteria toxicity

Remarks No data available.

12.2. Persistence and degradability**Biodegradability**

Remarks No data available.

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

In accordance with regulations for special waste, must be taken, to an underground disposal site.

Disposal recommendations for packaging

Dispose of as unused product.

Disposal in compliance with local and national regulations.

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.

14.5. Environmental hazards

no

Air transport ICAO/IATA



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

15. Regulatory information

16. Other information

R-phrases listed in chapter 3

36/37/38

Irritating to eyes, respiratory system and skin.

Hazard statements listed in chapter 3

H315

Causes skin irritation.

H319

Causes serious eye irritation.

H335

May cause respiratory 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.