

Trade name: Ammonii hydroxidi sol 10%

Substance number: 208121

Version: 3 / CH

Date revised: 16.12.2016

Replaces Version: 2 / CH

Print date: 16.12.16

SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1. Product identifier**

Ammonii hydroxidi sol 10%

Item No. 20812100

Registration no.

EC No.: 215-647-6

CAS No. 1336-21-6

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. 1B H314

STOT SE 3 H335

Eye Dam. 1 H318

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 ***

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

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Precautionary statements ***

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
 P280 Wear protective gloves/protective clothing/eye protection/face protection.
 P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
 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 Ammonia

SECTION 3: Composition/information on ingredients *****Hazardous ingredients (Regulation (EC) No. 1272/2008) *******Ammonia**

CAS No.	1336-21-6			
EINECS no.	215-647-6			
Concentration	>= 10	< 17		%
Classification (Regulation (EC) No. 1272/2008)	Skin Corr. 1B	H314		
	Aquatic Acute 1	H400		

Concentration limits (Regulation (EC) No. 1272/2008)
 STOT SE 3 H335 >= 5

Additional remarks:

CLP Regulation (EC) No 1272/2008, Annex VI, Note B
 DSD Directive 67/548/EEC, Annex I, Note B

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

If you feel unwell, seek medical advice (show the label where possible).

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

Remove contaminated, soaked clothing immediately and dispose of safely. 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 advice immediately.

After ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth thoroughly with water. Seek medical advice immediately.

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

Coughing, Shortness of breath, Headache, Nausea, Vomiting

SECTION 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 mixture

In the event of fire the following can be released: Nitrogen oxides (NOx)

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

Use self-contained breathing apparatus.

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

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

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Contain and collect spillage with non-combustible absorbent materials, e.g. sand, earth, vermiculite, diatomaceous earth and place in container for disposal according to local regulations (see section 13). Send in suitable containers for recovery or disposal.

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**

Avoid contact with skin and eyes. Avoid inhaling dusts/ billows/ steams.

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

Keep container tightly closed and dry. Keep container tightly closed in a well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

SECTION 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 for handling chemicals. Wash hands before breaks and after work.

Respiratory protection

Self-contained breathing apparatus. Full mask

Hand protection

Gloves

Appropriate Material

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well

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cleaned before being removed, then stored in a well ventilated location.

Eye protection

Tightly fitting safety glasses; Face shield

Body protection

Clothing as usual in the chemical industry.

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

Remarks No data available

Melting point

Remarks No data available

Initial boiling point and boiling range

Remarks No data available

Flash point

Remarks Not applicable

Density

Value	0.963		g/cm ³
Temperature	25	°C	

Solubility in water

Remarks No data available

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

Zinc

10.6. Hazardous decomposition productsnitrous oxides (NO_x)**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute oral toxicity**

ATE	3'500	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**Ammonia**

Species	rat	
LD50	350	mg/kg
Source	GESTIS-Stoffdatenbank (http://www.dguv.de/ifa/de/gestis/stoffdb/index.jsp)	

Skin corrosion/irritation

Remarks No data available.

Skin corrosion/irritation (Components)**Ammonia**

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Remarks No data available.

Serious eye damage/irritation

Remarks No data available.

Serious eye damage/irritation (Components)**Ammonia**

Remarks No data available.

Sensitization (Components)**Ammonia**

Remarks No data available.

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

Remarks No data available.

Fish toxicity (Components)**Ammonia**

Species	salmon		
NOEC	3.5		mg/l
Duration of exposure	3	d	

Daphnia toxicity (Components)**Ammonia**

Species	Daphnia magna		
LC50	32		mg/l
Duration of exposure	50	h	

12.2. Persistence and degradability**Biodegradability**

Remarks No data available.

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

Very toxic for aquatic organisms.

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****14.1. UN number**

UN 2672

14.2. UN proper shipping name

AMMONIA SOLUTION

14.3. Transport hazard class(es)

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Class	8
Label	8

14.4. Packing group

Packing group	III
Limited Quantity	5 I
Transport category	3
Tunnel restriction code	E

Marine transport IMDG/GGVSee**14.1. UN number**

UN 2672

14.2. UN proper shipping name

AMMONIA SOLUTION

14.3. Transport hazard class(es)

Class	8
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14.4. Packing group

Packing group	III
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Air transport ICAO/IATA**14.1. UN number**

UN 2672

14.2. UN proper shipping name

AMMONIA SOLUTION

14.3. Transport hazard class(es)

Class	8
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14.4. Packing group

Packing group	III
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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	WGK 2
(Germany)	

Remarks	Classification according to Annex 4 VwVwS
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SECTION 16: Other information**Hazard statements listed in Chapter 3**

H314	Causes severe skin burns and eye damage.
H400	Very toxic to aquatic life.

CLP categories listed in Chapter 3

Aquatic Acute 1	Hazardous to the aquatic environment, acute, Category 1
Skin Corr. 1B	Skin corrosion, Category 1B

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.