

Trade name: Natrii hydroxidi 30% solut

Substance number: 209251

Version: 5 / CH

Date revised: 14.08.2025

Replaces Version: 4 / CH

Print date: 14.08.25

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

1.1. Product identifier

Natrii hydroxidi 30% solut

Item No. 20925100

Substance / product identification

UFI J61E-A96Q-HX1A-1DWK

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)

Skin Corr. 1A H314

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.

Precautionary statements ***

P264.1 Wash hands thoroughly after handling.

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.

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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 ***

sodium hydroxide

2.3. Other hazards

The product contains no PBT substances. The product contains no vPvB substances. This product does not contain a substance that has endocrine disrupting properties with respect to human. The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

SECTION 3: Composition/information on ingredients *****Chemical characterization**

Alcoholic solution

Hazardous ingredients *****sodium hydroxide**

CAS No. 1310-73-2

EINECS no. 215-185-5

Registration no. 01-2119457892-27-XXXX

Concentration ≥ 25 < 50 %

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

Met. Corr. 1 H290

Skin Corr. 1A H314

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

Eye Irrit. 2 H319 $\geq 0.5 < 2$ %Skin Corr. 1A H314 ≥ 5 %Skin Corr. 1B H314 $\geq 2 < 5$ %Skin Irrit. 2 H315 $\geq 0.5 < 2$ %

ATE oral 325 mg/kg

ATE dermal 1'350 mg/kg

Further ingredients**water**

CAS No. 7732-18-5

EINECS no. 231-791-2

Concentration ≥ 50 %

Advice: [4]

Note

[4] Voluntary information

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

Remove affected person from danger area. Adhere to personal protective measures when giving first aid. Remove contaminated clothing immediately and dispose of safely.

After inhalation

If the patient is likely to become unconscious, place and transport in stable sideways position.

After skin contact

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

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After eye contact

Shield unaffected eye. Separate eyelids, wash the eyes thoroughly with water (15 min.). Take medical treatment.

After ingestion

Do not induce vomiting. No trials on neutralisation. Let plenty of water be drunk in small gulps. Ensure supply of fresh air. Summon a doctor immediately.

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

Irritation of mucosa, Chemical burn, Vomiting

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

Frequent and persistent contact with the skin can cause dermatitis. Risk of stomach perforation

SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam.

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

Wear full protective suit.

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

High risk of slipping due to leakage/spillage of product. Wear protective equipment. Keep away unprotected persons.

6.2. Environmental precautions

Dilute with lot of water. Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Clean contaminated surfaces, appropriate is: Slightly acid solution. Rinse away rest with plenty of water. Neutralize. When picked up, treat material as prescribed under Section 13 "Disposal". Ensure adequate ventilation.

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

When diluting, always stir product into water.

Advice on protection against fire and explosion

The product is not combustible.

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

Provide alkali-resistant floor. Do not use light metal drums.

Hints on storage assembly

Not required.

Storage classes

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Storage class according to TRGS 510 8B

Non-combustible corrosive hazardous substances

Storage category (Switzerland) 8

Caustic and corrosive substances

Further information on storage conditions

Protect from frost. Keep container tightly closed.

SECTION 8: Exposure controls/personal protection *****8.1. Control parameters****Exposure limit values *******sodium hydroxide**

List	SUVA	
Type	MAK	
Value	2	mg/m ³
Short term exposure limit	2	mg/m ³
Pregnancy group: S;	Remarks: SSs; Haut, OAWKT & AugeKT; NIOSH, OSHA	

Derived No/Minimal Effect Levels (DNEL/DMEL)**sodium hydroxide**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	1	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Local effects	
Concentration	1	mg/m ³

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

Hold eye wash fountain available. Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work. Avoid contact with skin and eyes.

Respiratory protection

Breathing apparatus in the event of aerosol or mist formation. Particle filter P2

Hand protection

Gloves (alkali-resistant)			
Appropriate Material	Natural Latex		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	
Gloves (alkali-resistant)			
Appropriate Material	Polychloroprene		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	
Gloves (alkali-resistant)			
Appropriate Material	Butyl rubber - Butyl		
Material thickness	0.5	mm	
Breakthrough time	>= 8	h	

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Gloves (alkali-resistant)
 Appropriate Material nitrile rubber - NBR
 Material thickness 0.35 mm
 Breakthrough time \geq 8 h
 Gloves (alkali-resistant)
 Appropriate Material Fluoro carbon rubber - FKM
 Material thickness 0.4 mm
 Breakthrough time \geq 8 h
 Gloves (alkali-resistant)
 Appropriate Material PVC
 Material thickness 0.5 mm
 Breakthrough time \geq 8 h
 Not suitable: leather gloves
 Not suitable: gloves made of thick material

Eye protection

Tightly fitting safety glasses; Face shield

Body protection

Alkali-resistant protective clothing

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

Value 9 °C

Source Safety Data Sheet Supplier

Boiling point or initial boiling point and boiling range

Value 116 °C

Method DIN 51761

Source Safety Data Sheet Supplier

Flammability

Not self inflammable

Flash point

Value °C

Remarks Not applicable

pH valueValue $>$ 14

Temperature 20 °C

Source Safety Data Sheet Supplier

Vapour pressure

Value 23 hPa

Temperature 20 °C

Source Safety Data Sheet Supplier

Density and/or relative densityValue 1.325 to 1.335 g/cm³**9.2. Other information****Solubility in water**

Remarks Completely miscible

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Other information

The product is not dangerous for explosions.

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

No decomposition if stored and applied as directed.

10.5. Incompatible materials

Exothermic reaction with acids. Reactions with metals, with evolution of hydrogen. Violent vapour formation under influence of water.

10.6. Hazardous decomposition products

None known

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

ATE	1'083.33	mg/kg
	33	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**sodium hydroxide**

Species	rat	
LD50	2000	mg/kg
Source	NLM HSDB	

sodium hydroxide

Species	rat	
LD50	325	mg/kg
Source	OECD SIDS	

Acute dermal toxicity

ATE	4'500	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute dermal toxicity (Components)**sodium hydroxide**

Remarks	Strong corrosive action on the skin and mucous membrane.
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sodium hydroxide

Species	rabbit	
LD50	1350	mg/kg
Source	NLM HSDB	

Acute inhalative toxicity (Components)**sodium hydroxide**

Remarks	Strong corrosive action on the skin and mucous membrane.
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Skin corrosion/irritation

evaluation	strongly corrosive
Remarks	Corrosive action on the skin and mucous membrane.

Skin corrosion/irritation (Components)**sodium hydroxide**

Species	rabbit	
Duration of exposure	24	h

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Remarks Corrosive

Serious eye damage/irritation

Remarks strongly corrosive

Serious eye damage/irritation (Components)**sodium hydroxide**

Species rabbit

Duration of exposure 24 h

evaluation strongly corrosive

Method Draize method

Remarks Influence of the product with the eyes can lead to blindness.

Sensitization

Remarks No sensitization effect known.

Sensitization (Components)**sodium hydroxide**

Remarks No sensitization effect known.

Subacute, subchronic, chronic toxicity

Remarks Risk of blindness.

Subacute, subchronic, chronic toxicity (Components)**sodium hydroxide**

Remarks No data available

Mutagenicity (Components)**sodium hydroxide**

Species Escherichia coli

evaluation No mutagenicity in the Ames-test.

Reproduction toxicity (Components)**sodium hydroxide**

Remarks No data available

Carcinogenicity (Components)**sodium hydroxide**

evaluation No negative effects

Specific Target Organ Toxicity (STOT) (Components)**sodium hydroxide**

Remarks No data available

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

The product does not contain a substance that has endocrine disrupting properties with respect to humans.

Experience in practice

After Swallowing: burns in mouth, throat, oesophagus and gastrointetinal tract. Risk of perforation in the oesophagus and stomach.

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

Species Bluegill (Lepomis macrochirus)

LC50 99

mg/l

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Duration of exposure	48	h	
Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	45.4		mg/l
Duration of exposure	96	h	

Fish toxicity (Components)**sodium hydroxide**

Species	Gambusia affinis		
LC50	125		mg/l
Duration of exposure	96	h	

sodium hydroxide

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	45.4		mg/l
Duration of exposure	96	h	

sodium hydroxide

Species	guppy (<i>Poecilia reticulata</i>)		
LC50	145		mg/l
Duration of exposure	24	h	

Daphnia toxicity

Species	Daphnia magna		
EC50	76		mg/l
Duration of exposure	24	h	

Daphnia toxicity (Components)**sodium hydroxide**

Species	Daphnia		
EC50	40.38		mg/l
Duration of exposure	48	h	
Remarks	Immobilization		

sodium hydroxide

Species	Daphnia magna		
EC50	76		mg/l
Duration of exposure	24	h	

sodium hydroxide

Species	Ceriodaphnia dubia		
EC50	40.4		mg/l
Duration of exposure	48	h	

Algae toxicity (Components)**sodium hydroxide**

Remarks	No data available.
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Bacteria toxicity (Components)**sodium hydroxide**

Species	Photobacterium phosphoreum		
EC50	22		mg/l
Duration of exposure	15	min	

12.2. Persistence and degradability**Physico-chemical eliminability (Components)****sodium hydroxide**

Remarks	No data available.
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Biodegradability (Components)**sodium hydroxide**

evaluation	not degradable
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Remarks

Inorganic product, cannot be eliminated from the water by biological purification processes.

Ready degradability (Components)**sodium hydroxide**

Remarks

Inorganic product, cannot be eliminated from the water by biological purification processes.

12.4. Mobility in soil**Mobility in soil (Components)****sodium hydroxide**

Slightly mobile in soils

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

The product contains no PBT substances

The product contains no vPvB substances.

12.6 Endocrine disrupting properties**Endocrine disrupting properties with respect to the environment**

The product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms.

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

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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

EWC waste code

No not dispose with rubbish.

EWC waste code

Should not be released into the sanitary sewer system.

In accordance with regulations for special waste, must be taken after pretreatment to an authorised special waste disposal site or incineration plant.

EWC waste code

06 03 99

wastes not otherwise specified

Disposal recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

SECTION 14: Transport information ***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	E		
14.1. UN number	1823	1823	1823
14.2. UN proper shipping name	SODIUM HYDROXIDE, SOLID, Solution	SODIUM HYDROXIDE, SOLID, Solution	SODIUM HYDROXIDE, SOLID, Solution
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	II	II	II
Limited Quantity	1 kg		
Transport category	2		

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 1

(Germany)

Remarks

Derivation of WGK according to Annex 1 No. 5.2 AwSV

SECTION 16: Other information

Hazard statements listed in Chapter 3

H290

May be corrosive to metals.

H314

Causes severe skin burns and eye damage.

H318

Causes serious eye damage.

CLP categories listed in Chapter 3

Eye Dam. 1

Serious eye damage, Category 1

Met. Corr. 1

Substance or mixture corrosive to metals, Category 1

Skin Corr. 1A

Skin corrosion, Category 1A

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.