

Trade name: Kalii hydroxidi 40% solut

Substance number: 208751

Version: 4 / CH

Date revised: 14.08.2025

Replaces Version: 3 / CH

Print date: 14.08.25

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

1.1. Product identifier

Kalii hydroxidi 40% solut

Item No. 20875100

Substance / product identification

UFI SFJX-G4XV-6X15-MGKS

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 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

H302

Harmful if swallowed.

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.

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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 ***

potassium 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 *****Hazardous ingredients *******potassium hydroxide**

CAS No. 1310-58-3

EINECS no. 215-181-3

Registration no. 01-2119487136-33-XXXX

Concentration ≥ 25 < 50 %

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

Acute Tox. 4 H302

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 273 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****After inhalation**

Ensure supply of fresh air. Summon a doctor immediately.

After skin contact

After contact with skin, wash immediately with plenty of water. Remove contaminated, soaked clothing immediately and dispose of safely. 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. Summon a doctor immediately.

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After ingestion

Drink water in small gulps. Do not induce vomiting - aspiration hazard. Summon a doctor immediately.
No trials on neutralisation.

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.

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

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Do not discharge into surface waters/groundwater.

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

Avoid contact with skin, eyes and clothing. Avoid dust formation. Do not inhale dust.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

Pump off large amounts. 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**Recommended storage temperature**

Value	5	-	30
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Requirements for storage rooms and vessels

Keep container tightly closed and dry. Do not use aluminium containers. Do not use zinc containers.

Storage classes

Storage class according to TRGS 510	8B	Non-combustible corrosive hazardous substances
Storage category (Switzerland)	8	Caustic and corrosive substances

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

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potassium hydroxide

List	SUVA	
Type	MAK	
Value	2	mg/m ³
Remarks: Haut, OAWKT & AugeKT; NIOSH		

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

Remove contaminated, soaked clothing immediately and dispose of safely. Preventative skin protection.
Wash hands and face after work.

Respiratory protection

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

Hand protection

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

Eye protection

Tightly fitting safety glasses

Body protection

protective overalls

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

Physical state	liquid, clear
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Colour	colourless
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Odour	odourless
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Boiling point or initial boiling point and boiling range

Remarks	No data available
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Flash point

Value	°C
Remarks	Not applicable

pH value

Value	> 13.1	
Temperature	20	°C

Density and/or relative density

Value	1.390	to	1.405	g/ml
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9.2. Other information**Solubility in water**

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

Exothermic reaction with: Water

10.5. Incompatible materials

Reacts violently with: Metals, Reactions with light metals. Reaction with ammonium compounds,

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Reactions with earth alkali metals. Halogens, halocarbons, phosphorus, carbon, strong acids,
Incompatible with: Metals

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute oral toxicity

ATE	574.736	mg/kg
	8	
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)

potassium hydroxide

Species	rat	
LD50	273	mg/kg

potassium hydroxide

Species	rat	
LD50	333	mg/kg
Method	OECD 425	

Acute dermal toxicity (Components)

potassium hydroxide

Remarks	No data available.
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Acute inhalative toxicity (Components)

potassium hydroxide

Remarks	No data available.
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Skin corrosion/irritation

Species	rabbit
evaluation	strongly corrosive

Skin corrosion/irritation (Components)

potassium hydroxide

Species	rabbit	
Duration of exposure	24	h
evaluation	corrosive	
Method	OECD 405	

Serious eye damage/irritation

evaluation	strongly corrosive
Remarks	Risk of serious damage to eyes.
Remarks	Influence of the product with the eyes can lead to blindness.

Serious eye damage/irritation (Components)

potassium hydroxide

Species	rabbit
evaluation	strongly corrosive
Method	OECD 405
Remarks	Influence of the product with the eyes can lead to blindness.

Sensitization

Species	guinea pig
Remarks	negative

Sensitization (Components)

potassium hydroxide

Species	guinea pig
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evaluation
Sourcenon-sensitizing
Literature value**Subacute, subchronic, chronic toxicity (Components)****potassium hydroxide**

Remarks No data available.

Mutagenicity (Components)**potassium hydroxide**evaluation No mutagenicity in the Ames-test.
Source Literature value**Reproduction toxicity (Components)****potassium hydroxide**

Remarks not determined

Carcinogenicity (Components)**potassium hydroxide**

Remarks No evidence available on carcinogenicity.

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

Remarks Not applicable

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

Causes burns. Irritation. When swallowed, there is a danger of blindness. After Swallowing: burns in mouth, throat, oesophagus and gastrointestinal tract. Risk of perforation in the oesophagus and stomach.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****potassium hydroxide**Species Gambusia affinis
LC50 80 mg/l
Duration of exposure 96 h**Daphnia toxicity (Components)****potassium hydroxide**

Remarks No data available.

Algae toxicity (Components)**potassium hydroxide**

Remarks No data available.

Bacteria toxicity (Components)**potassium hydroxide**

Remarks No data available.

12.2. Persistence and degradability**Biodegradability**

Remarks No data available.

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Biodegradability (Components)**potassium hydroxide**

Remarks

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

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

Will not adsorb on soil.

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 it to reach ground water, water bodies or sewage system. The product causes changes in the pH value in the test system. The result relates to the unneutralized sample. Harmful to 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 ***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	E		
14.1. UN number	1813	1813	1813
14.2. UN proper shipping name	POTASSIUM HYDROXIDE, SOLID, Solution	POTASSIUM HYDROXIDE, SOLID, Solution	POTASSIUM 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

15.2. Chemical safety assessment

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302

Harmful if swallowed.

H314

Causes severe skin burns and eye damage.

H318

Causes serious eye damage.

CLP categories listed in Chapter 3

Acute Tox. 4

Acute toxicity, Category 4

Eye Dam. 1

Serious eye damage, 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.