

Trade name: Kalii chloridum

Substance number: 064496

Version: 4 / CH

Date revised: 06.02.2023

Replaces Version: 3 / CH

Print date: 07.02.23

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

### **1.1. Product identifier**

Kalii chloridum

Item No. 06449600

#### **Substance / product identification**

CAS-No. 7447-40-7

EINECS-No. 231-211-8

INCI Kaliumchlorid

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

#### **Use of the substance/preparation**

Manufacture of pharmaceutical products, food additive

### **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**

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.

### **2.3. Other hazards**

No special hazards have to be mentioned.

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**

Single substance

### **Molecular weight**

Value 74.55 g/mol

### **Further ingredients**

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**Potassium chloride**

CAS No. 7447-40-7

EINECS no. 231-211-8

Concentration &lt; 1 %

Advice: [4]

**Note**

[4] Voluntary information

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

Take off contaminated clothing and shoes immediately.

**After inhalation**

Ensure supply of fresh air.

**After skin contact**

After contact with skin, wash immediately with plenty of water.

**After eye contact**

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

**After ingestion**

If swallowed, rinse mouth with water (only if the person is conscious). In the event of symptoms take medical treatment.

**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. If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: Hydrogen chloride (HCl)

**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**

Avoid dust formation. Do not inhale dust.

**6.2. Environmental precautions**

Do not discharge into the drains/surface waters/groundwater.

**6.3. Methods and material for containment and cleaning up**

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

**SECTION 7: Handling and storage**

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## 7.2. Conditions for safe storage, including any incompatibilities

### Requirements for storage rooms and vessels

Keep container tightly closed and dry.

### Storage classes

Storage class according to TRGS 510	13	Non- combustible solids
Storage category (Switzerland)	NG	Other solid hazardous substances without classification/labelling hazardous

## SECTION 8: Exposure controls/personal protection

### 8.2. Exposure controls

#### General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Avoid contact with skin.  
General industrial hygiene practice. Wash hands and face after work.

#### Respiratory protection

Use breathing apparatus in dust/fumes/mist-laden atmosphere.

#### 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

<b>Physical state</b>	solid
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<b>Colour</b>	white
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<b>Odour</b>	odourless
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#### Melting point

Value	773	°C
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#### Boiling point or initial boiling point and boiling range

Value	1413	°C
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#### Flash point

Value	°C
Remarks	Not applicable

#### pH value

Value	5.5	to	8.0
Concentration/H <sub>2</sub> O	50	g/l	
Temperature	25	°C	

#### Vapour pressure

Value	1013	hPa
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#### Density and/or relative density

Value	1.98	g/cm <sup>3</sup>
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Temperature	20	°C
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**9.2. Other information****Solubility in water**

Value	347	g/l
Temperature	20	°C

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

No dangerous reactions known.

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

No hazardous reactions known.

**10.4. Conditions to avoid**

No hazardous reactions known.

**10.5. Incompatible materials**

No dangerous reactions known.

**10.6. Hazardous decomposition products**

Hydrogen chloride (HCl)

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

Species	rat	
LD50	2600	mg/kg

**Skin corrosion/irritation (Components)****Potassium chloride**

Species	rabbit
evaluation	non-irritant

**Serious eye damage/irritation**

Remarks	slightly irritating (Eye)
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**Serious eye damage/irritation (Components)****Potassium chloride**

Species	rabbit
evaluation	slightly irritant

**Sensitization (Components)****Potassium chloride**

evaluation	non-sensitizing
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**Mutagenicity (Components)****Potassium chloride**

Species	Salmonella typhimurium
evaluation	No mutagenicity in the Ames-test.

**11.2 Information on other hazards**

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**Endocrine disrupting properties with respect to humans**

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

**SECTION 12: Ecological information \*\*\*****12.1. Toxicity****Fish toxicity (Components)****Potassium chloride**

Species	Fathead minnow ( <i>Pimephales promelas</i> )		
LC50	880		mg/l
Duration of exposure	96	h	
Method	OECD 203		

**Potassium chloride**

NOEC	500		mg/l
Duration of exposure	7	d	
Method	OECD 210		

**Daphnia toxicity (Components)****Potassium chloride**

Species	Daphnia magna		
EC50	825		mg/l
Duration of exposure	48	h	
Method	OECD 201		

**Algae toxicity (Components)****Potassium chloride**

Species	Desmodesmus subspicatus		
EC50	> 100		mg/l
Duration of exposure	72	h	
Method	OECD 201		

**Bacteria toxicity (Components)****Potassium chloride**

EC50	> 1000		mg/l
Duration of exposure	3	h	
Method	OECD 209		

**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**

Ecological injuries are not known or expected under normal use.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods**

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**Disposal recommendations for the product**

Disposal in compliance with local and national regulations.

**Disposal recommendations for packaging**

Disposal in compliance with local and national regulations.

**SECTION 14: Transport information \*\*\***

	Land transport ADR/RID	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
14.1. UN number	The product does not constitute a hazardous substance in land transport.	The product does not constitute a hazardous substance in sea transport.	The product does not constitute a hazardous substance in air transport.

**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 (Germany)	Not water hazardous
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Remarks	Derivation of WGK according to Annex 1 No. 5.2 AwSV
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**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.