

Trade name: Kaliumsorbat

Substance number: 064904

Version: 4 / CH

Date revised: 09.02.2023

Replaces Version: 3 / CH

Print date: 09.02.23

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

### **1.1. Product identifier**

Kaliumsorbat

Item No. 06490400

### **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, Food

### **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)

Eye Irrit. 2 H319

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**

Warning

##### **Hazard statements**

H319 Causes serious eye irritation.

##### **Precautionary statements**

P264.1 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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### 2.3. Other hazards

The Substance does not meet PBT-criteria. This substance does not meet the vPvB-criteria. This substance does not have endocrine disrupting properties with respect to humans. This substance does not have endocrine disrupting properties with respect to non-target organisms.

## **SECTION 3: Composition/information on ingredients \*\*\***

### **Molecular weight**

Value	150.22	g/mol
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### **Hazardous ingredients \*\*\***

#### **potassium (E,E)-hexa-2,4-dienoate**

CAS No. 24634-61-5

EINECS no. 246-376-1

Concentration  $\geq$  50 %

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

Eye Irrit. 2 H319

## **SECTION 4: First aid measures**

### **4.1. Description of first aid measures**

#### **After inhalation**

Remove the casualty into fresh air and keep him calm.

#### **After skin contact**

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

#### **After eye contact**

Separate eyelids, wash the eyes thoroughly with water (15 min.). Summon a doctor immediately.

#### **After ingestion**

Rinse out mouth and give plenty of water to drink. Summon a doctor immediately.

## **SECTION 5: Firefighting measures**

### **5.1. Extinguishing media**

#### **Suitable extinguishing media**

Water, Carbon dioxide, Foam, Dry chemical extinguisher

### **5.2. Special hazards arising from the substance or mixture**

The product is combustible. In case of combustion evolution of dangerous gases possible.

### **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. Ensure supply of fresh air.

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**6.2. Environmental precautions**

Do not empty into drains.

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

To pick up dry. Dispose of absorbed material in accordance with the regulations. Clean up affected area.

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

Avoid dust formation. Do not inhale dust.

**Advice on protection against fire and explosion**

The product is capable of dust explosions. Take action to prevent static discharges. Keep away from sources of heat and ignition.

**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value 15 - 25 °C

**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	13	Non- combustible solids
Storage category (Switzerland)	11/13	Other solid hazardous substances with classification/labelling hazardous

**SECTION 8: Exposure controls/personal protection****8.2. Exposure controls****General protective and hygiene measures**

Wash contaminated clothing before reuse. Wash hands and face after work. Preventative skin protection.

**Respiratory protection**

Use breathing apparatus in dust-laden atmosphere. Particle filter P2

**Hand protection**

Gloves	
Appropriate Material	nitrile rubber - NBR
Material thickness	0.4 mm
Breakthrough time	> 480 min

**Eye protection**

necessary

**Body protection**

Protective clothing

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

Physical state	solid
Colour	white
Odour	odourless
Melting point	

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Value appr. 270 °C

**Boiling point or initial boiling point and boiling range**

Remarks Not applicable

**Upper and lower explosive limits**

Remarks not determined

**Flash point**

Value °C

Remarks Not applicable

**Ignition temperature**

Value &gt; 150 °C

**Decomposition temperature**

Value &gt; 270 °C

**pH value**

Value 8 to 11

Concentration/H<sub>2</sub>O 1400 g/l

Temperature 20 °C

**Partition coefficient n-octanol/water (log value)**

log Pow 1.62

**Density and/or relative density**Value 1.36 g/cm<sup>3</sup>

Temperature 20 °C

**9.2. Other information****Solubility in water**

Value 1400 g/l

Temperature 20 °C

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

Danger of dust explosion

**10.2. Chemical stability**

No decomposition if stored and applied as directed.

**10.3. Possibility of hazardous reactions**

Oxidising agents. Fluorohydrocarbons

**10.4. Conditions to avoid**

Heat. Avoid dust formation.

**10.5. Incompatible materials**

Avoid contact with: Aluminium, Zinc

**10.6. Hazardous decomposition products**

No data available.

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

potassium (E,E)-hexa-2,4-dienoate

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Species	rat		
LD50	3800		mg/kg
Method	Value taken from the literature		

**Acute inhalative toxicity (Components)****potassium (E,E)-hexa-2,4-dienoate**

Species	rat		
LC50	> 5.15		mg/l
Duration of exposure	4	h	
Method	OECD 403		
Source	Literature value		

**Skin corrosion/irritation (Components)****potassium (E,E)-hexa-2,4-dienoate**

evaluation	irritant
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**Serious eye damage/irritation (Components)****potassium (E,E)-hexa-2,4-dienoate**

Species	rabbit
evaluation	strongly irritant
Method	OECD 405
Source	Literature value

**Mutagenicity (Components)****potassium (E,E)-hexa-2,4-dienoate**

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

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

This substance does not have endocrine disrupting properties with respect to humans.

**SECTION 12: Ecological information****12.1. Toxicity****Fish toxicity (Components)****potassium (E,E)-hexa-2,4-dienoate**

Species	zebra fish (Brachydanio rerio)		
LC50	1250		mg/l
Duration of exposure	96	h	
Source	Literature value		

**Daphnia toxicity (Components)****potassium (E,E)-hexa-2,4-dienoate**

Species	Daphnia magna		
EC50	750		mg/l
Duration of exposure	48	h	
Method	OECD 201		
Source	Literature value		

**Algae toxicity (Components)****potassium (E,E)-hexa-2,4-dienoate**

Remarks	No data available.
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**Bacteria toxicity (Components)****potassium (E,E)-hexa-2,4-dienoate**

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Species	Pseudomonas putida	
EC0	> 1000	mg/l
Duration of exposure	16	h
Method	DIN 38412 / Part 8	
Source	Literature value	

**12.2. Persistence and degradability****Biodegradability (Components)****potassium (E,E)-hexa-2,4-dienoate**

Value &gt; 95 %

Duration of test 8 d

Remarks The product is readily biodegradable according to OECD criteria.

**12.3. Bioaccumulative potential****Partition coefficient n-octanol/water (log value)**

log Pow 1.62

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

The Substance does not meet PBT-criteria.

This substance does not meet the vPvB-criteria.

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

This substance does not have endocrine disrupting properties with respect to non-target organisms.

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

Do not allow it to reach soil, ground water, water bodies or sewage system.

**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	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)**

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Water Hazard Class  
(Germany)

WGK 1

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**

H319 Causes serious eye irritation.

**CLP categories listed in Chapter 3**

Eye Irrit. 2 Eye irritation, Category 2

**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.