

Trade name: Kaliumsorbit

Substance number: 064904

Version: 5 / CH

Date revised: 31.10.2025

Replaces Version: 4 / CH

Print date: 31.10.25

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

Kaliumsorbit

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**

P302+P350

IF ON SKIN: Gently wash with plenty of soap and water.

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.

Trade name: Kaliumsorbit

Substance number: 064904

Version: 5 / CH

Date revised: 31.10.2025

Replaces Version: 4 / CH

Print date: 31.10.25

P337+P313

If eye irritation persists: Get medical advice/attention.

**Reduced labeling (<= 125 ml)****Hazard pictograms \*\*\*****Signal word \*\*\***

Warning

**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
-------	--------	-------

**Hazardous ingredients****potassium (E,E)-hexa-2,4-dienoate**

CAS No. 24634-61-5

EINECS no. 246-376-1

Concentration &gt;= 50 %

Classification (Regulation (EC) No. 1272/2008)  
Eye Irrit. 2 H319**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

If unconscious place in recovery position and seek medical advice.

**After inhalation**

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

**After skin contact**

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

**After eye contact**

Remove contact lenses, irrigate copiously with clean, fresh water, holding the eyelids apart for at least 10 minutes and seek immediate medical advice.

**After ingestion**

Rinse out mouth and give plenty of water to drink. In the event of symptoms take medical treatment.

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

irritant - risk of serious damage to eyes

**4.3. Indication of any immediate medical attention and special treatment needed**

Trade name: Kaliumsorbit

Substance number: 064904

Version: 5 / CH

Replaces Version: 4 / CH

Date revised: 31.10.2025

Print date: 31.10.25

**Hints for the physician / treatment**

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

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

Water spray jet, Carbon dioxide, Foam, Dry powder

**Non suitable extinguishing media**

Full water jet

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

The product is combustible. In case of combustion evolution of dangerous gases possible. In the event of fire the following can be released: Carbon monoxide (CO); Carbon dioxide (CO<sub>2</sub>)

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

Use self-contained breathing apparatus. Wear protective clothing.

**Other information**

Suppress gases/vapours/mists 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 contact with skin, eyes and clothing. Avoid dust formation. Do not inhale dust. Ensure supply of fresh air. Ensure adequate ventilation.

**6.2. Environmental precautions**

Do not allow to enter drains or waterways.

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

Take up mechanically and collect in suitable container for disposal. Clean contaminated surfaces thoroughly with water.

**6.4. Reference to other sections**

Information regarding personal protective measures, see Section 8. Information regarding waste disposal, see Section 13.

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

Avoid dust formation. Do not inhale dust. Keep away from heat and sources of ignition.

**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 in a well-ventilated place. Do not use zinc containers. Do not use aluminium containers.

Trade name: Kaliumsorbit

Substance number: 064904

Version: 5 / CH

Date revised: 31.10.2025

Replaces Version: 4 / CH

Print date: 31.10.25

**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

**Further information on storage conditions**

Keep container tightly closed and in a well-ventilated place.

**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. Keep away from food-stuffs, beverages and feed-stocks.

**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

&gt;

480

min

**Eye protection**

necessary; Safety glasses

**Body protection**

Protective clothing

**Environmental exposure controls**

Do not allow to enter drains or water courses.

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

solid

**Colour**

white

**Odour**

odourless

**Melting point**

Value

250

°C

Pressure

1013

hPa

**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

**Auto-ignition temperature**

Value

appr. 178

°C

Source

ECHA

**Decomposition temperature**

Value

appr. 250

°C

Trade name: Kaliumsorbat

Substance number: 064904

Version: 5 / CH

Date revised: 31.10.2025

Replaces Version: 4 / CH

Print date: 31.10.25

**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	-1.72	
Temperature	20	°C
Source	ECHA	

**Vapour pressure**

Value	0		hPa
Temperature	20	°C	

**Density and/or relative density**

Value	1.36		g/cm <sup>3</sup>
Temperature	20	°C	

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

Value	543		g/l
Temperature	20	°C	

**Bulk density**

Value	670		kg/m <sup>3</sup>
-------	-----	--	-------------------

**Other information**

The product is capable of dust explosions.

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

Danger of dust explosion

**10.2. Chemical stability**

Stable under recommended storage and handling conditions (see section 7).

**10.3. Possibility of hazardous reactions**

Oxidising agents. Fluorohydrocarbons

**10.4. Conditions to avoid**

Protect from heat and direct sunlight. Avoid dust formation. Protect from atmospheric moisture and water.

**10.5. Incompatible materials**

Avoid contact with: Aluminium, Zinc, Tin

**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**

Remarks Based on available data, the classification criteria are not met.

**Acute oral toxicity (Components)**

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

Trade name: Kaliumsorbitat

Substance number: 064904

Version: 5 / CH

Date revised: 31.10.2025

Replaces Version: 4 / CH

Print date: 31.10.25

Species	rat		
LD50	10500		mg/kg
Source	ECHA		

**Acute dermal toxicity**

Remarks	Based on available data, the classification criteria are not met.
---------	---

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

Species	rat		
LD50	> 2000		mg/kg
Method	92/69/EEC, B.3		
Source	ECHA		

**Acute inhalational toxicity**

Remarks	Based on available data, the classification criteria are not met.
---------	---

**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**

Remarks	Based on available data, the classification criteria are not met.
---------	---

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

Species	rabbit		
evaluation	non-irritant		
Method	OECD 404		
Source	ECHA		

**Serious eye damage/irritation**

evaluation	irritant
Remarks	The classification criteria are met.

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

Species	rabbit		
evaluation	strongly irritant		
Method	OECD 405		
Source	Literature value		

**Sensitization**

Remarks	Based on available data, the classification criteria are not met.
---------	---

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

Species	guinea pig		
evaluation	non-sensitizing		
Method	OECD 406		
Source	ECHA		

**Mutagenicity**

Remarks	Based on available data, the classification criteria are not met.
---------	---

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

Trade name: Kaliumsorbit

Substance number: 064904

Version: 5 / CH

Date revised: 31.10.2025

Replaces Version: 4 / CH

Print date: 31.10.25

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

**Reproductive toxicity**

Remarks	Based on available data, the classification criteria are not met.
---------	---

**Carcinogenicity**

Remarks	Based on available data, the classification criteria are not met.
---------	---

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

Species evaluation	rat
Source	No indications of carcinogenic effects are available from long-term trials.
	ECHA

**Specific Target Organ Toxicity (STOT)****Single exposure**

Remarks	Based on available data, the classification criteria are not met.
---------	---

**Repeated exposure**

Remarks	Based on available data, the classification criteria are not met.
---------	---

**Specific Target Organ Toxicity (STOT) (Components)****potassium (E,E)-hexa-2,4-dienoate**

Remarks	not determined
---------	----------------

**Aspiration hazard**

Based on available data, the classification criteria are not met.

**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	> 500	mg/l
Duration of exposure	96	h
Method	OECD 203	
Source	ECHA	

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

Species	Daphnia magna	
EC50	982	mg/l
Duration of exposure	48	h
Method	OECD 202	
Source	ECHA	

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

Species	Scenedesmus subspicatus	
EC50	480	mg/l

Trade name: Kaliumsorbat

Substance number: 064904

Version: 5 / CH

Date revised: 31.10.2025

Replaces Version: 4 / CH

Print date: 31.10.25

Duration of exposure 48 h  
Source ECHA

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

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 > 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 -1.72  
Temperature 20 °C  
Source ECHA

**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
<b>14.1. UN number or ID number</b>	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.



Trade name: Kaliumsorbitat

Substance number: 064904

Version: 5 / CH

Replaces Version: 4 / CH

Date revised: 31.10.2025

Print date: 31.10.25

**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) WGK 1

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

**Other information \*\*\***

The product does not contain substances according to Candidate List for inclusion in Annex XIV of Regulation (EC) No. 1907/2006 (REACH) with a content of  $\geq 0.1\%$  w/w.

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:**

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

Eye Irrit. 2

H319

Calculation method

**Hazard statements listed in Chapter 2/3**

H319

Causes serious eye irritation.

**CLP categories listed in Chapter 2/3**

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.