

Trade name: Kalii dihydrogenophosphas

Substance number: 064632

Version: 3 / CH

Date revised: 14.08.2023

Replaces Version: 2 / CH

Print date: 14.08.23

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

1.1. Product identifier

Kalii dihydrogenophosphas

Item No. 06463200

Substance / product identification

CAS-No. 7778-77-0

EINECS-No. 231-913-4

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 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 136.08 g/mol

Further ingredients

Potassium Phosphat monobasic

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Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

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Other information

This product is not classified hazardous in accordance with Regulation (EC) No 1272/2008.

SECTION 4: First aid measures**4.1. Description of first aid measures****After inhalation**

Ensure supply of fresh air.

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.). By continuous complaints consult a physician.

After ingestion

Let plenty of water be drunk in small gulps. In the event of symptoms take medical treatment.

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

Extinguishing measures to suit surroundings, Carbon dioxide, Dry powder, Foam, Water spray jet

5.2. Special hazards arising from the substance or mixture

If a fire breaks out nearby evolution of dangerous gases possible. In the event of fire the following can be released: phosphorus oxides

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

Use self-contained breathing apparatus.

Other information

Cool endangered containers 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**

Do not inhale dust. Avoid dust formation.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Send in suitable containers for recovery or disposal. Clean up affected area.

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

No special requirements.

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

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Value < 30 °C

Storage classes

Storage class according to TRGS 510 12 Non-combustible liquids

Further information on storage conditions

Keep container tightly closed and dry.

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

Wash contaminated clothing before reuse. Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus in the event of aerosol.

Hand protection

Gloves

Appropriate Material nitrile rubber - NBR

Material thickness 0.11 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 substance**Colour** colourless**Odour** odourless**Melting point**

Value appr. 253 °C

Flash point

Remarks Not applicable

Decomposition temperature

Value appr. 253 °C

pH value

Value 4.4

Concentration/H₂O 50 g/l

Temperature 20 °C

Density and/or relative densityValue 2.34 g/cm³

Temperature 20 °C

9.2. Other information**Solubility in water**

Value 220 g/l

Temperature 20 °C

SECTION 10: Stability and reactivity

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10.1. Reactivity

No decomposition if stored and applied as directed.

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

No decomposition if stored and applied as directed.

10.5. Incompatible materials

No decomposition if stored and applied as directed.

10.6. Hazardous decomposition productsIn the event of fire the following can be released: Phosphorus oxides (e.g. P₂O₅)**SECTION 11: Toxicological information****11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

ATE	2'000	mg/kg
Method	calculated value (Regulation (EC) No. 1272/2008)	

Acute oral toxicity (Components)**Potassium Phosphate monobasic**

Species	rat	
	<	2000 mg/kg

Acute dermal toxicity (Components)**Potassium Phosphate monobasic**

Species	rabbit	
	>	4640 mg/kg

Acute inhalative toxicity (Components)**Potassium Phosphate monobasic**

Remarks	No data available.
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Skin corrosion/irritation (Components)**Potassium Phosphate monobasic**

Species	rabbit	
Duration of exposure	4	h
evaluation	non-irritant	

Serious eye damage/irritation (Components)**Potassium Phosphate monobasic**

Species	rabbit	
evaluation	non-irritant	

Sensitization

Remarks	No sensitization effect known.
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Sensitization (Components)**Potassium Phosphate monobasic**

Remarks	No data available.
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Subacute, subchronic, chronic toxicity (Components)**Potassium Phosphate monobasic**

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Remarks No data available.

Mutagenicity (Components)**Potassium Phosphate monobasic**

Remarks No data available.

Reproduction toxicity (Components)**Potassium Phosphate monobasic**

Remarks No data available.

Carcinogenicity (Components)**Potassium Phosphate monobasic**

Remarks No data available.

Specific Target Organ Toxicity (STOT) (Components)**Potassium Phosphate monobasic**

Remarks Not applicable

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**

Species	rainbow trout (<i>Oncorhynchus mykiss</i>)		
LC50	>	100	mg/l
Duration of exposure	96	h	
Method	OECD 203		

Fish toxicity (Components)**Potassium Phosphate monobasic**

Remarks No data available.

Daphnia toxicity

Species	Daphnia magna		
LC50	>	100	mg/l
Duration of exposure	72	h	
Method	OECD 201		

Daphnia toxicity (Components)**Potassium Phosphate monobasic**

Remarks No data available.

Algae toxicity

Species	Desmodesmus subspicatus		
NOEC	>	100	mg/l

Algae toxicity (Components)**Potassium Phosphate monobasic**

Remarks No data available.

Bacteria toxicity (Components)**Potassium Phosphate monobasic**

Remarks No data available.

12.5. Results of PBT and vPvB assessment

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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**

Ecological injuries are not known or expected under normal use.

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

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

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) WGK 3

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

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.