

Trade name: Dikalii phosphas

Substance number: 063280

Version: 3 / CH

Date revised: 29.09.2026

Replaces Version: 2 / CH

Print date: 29.09.26

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

Dikalii phosphas

Item No. 06328000

Substance / product identification

CAS-No. 7758-11-4

EINECS-No. 231-834-5

1.2. Relevant identified uses of the substance or mixture and uses advised against**Use of the substance/preparation**

food additive, industry

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

The product does not require a hazard warning label in accordance with Directive 67/548/EC

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 174.18 g/mol

Further ingredients

Dipotassium hydrogenorthophosphate

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CAS No. 7758-11-4
EINECS no. 231-834-5
Registration no. 01-2119493919-15
Concentration >= 95 %
Advice: [4]

Note

[4] Voluntary information

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

Remove contaminated, soaked clothing immediately and dispose of safely.

After inhalation

Remove to fresh air, keep patient warm and at rest. In the event of symptoms take medical treatment.

After skin contact

Wash off immediately with soap and water and rinse well. Remove contaminated, soaked clothing immediately and dispose of safely. Consult a doctor if symptoms occur.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Remove contact lenses. By continuous complaints consult a physician.

After ingestion

Let plenty of water be drunk in small gulps. By continuous complaints consult a physician.

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

if swallowed: Nausea, Vomiting, Gastrointestinal complaints, Diarrhoea

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

Water spray jet, Carbon dioxide, Dry powder, Foam

Non suitable extinguishing media

Full water jet

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.

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

Use self-contained breathing apparatus.

Other information

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 contact with skin, eyes and clothing. Ensure adequate ventilation.

6.2. Environmental precautions

Do not empty into drains.

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6.3. Methods and material for containment and cleaning up

Pick up mechanically. Clean up affected area. Avoid raising dust. Send in suitable containers for recovery or disposal.

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

Avoid the formation and deposition of dust. Do not inhale dust.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

Keep container tightly closed in a well-ventilated place.

Storage classes

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

Further information on storage conditions

Protect from atmospheric moisture and water. Protect from direct sunlight.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Derived No/Minimal Effect Levels (DNEL/DMEL)****Dipotassium hydrogenorthophosphate**

Type of value	Derived No Effect Level (DNEL)	
Reference group	Worker	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	4.07	mg/m ³

Type of value	Derived No Effect Level (DNEL)	
Reference group	Consumer	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3.04	mg/m ³

Predicted No Effect Concentration (PNEC)**Dipotassium hydrogenorthophosphate**

Type of value	PNEC	
Type	Freshwater	
Concentration	0.05	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0.005	mg/l

Type of value	PNEC	
Type	Water	

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Conditions	Intermittend	
Concentration	0.5	mg/l
Type of value	PNEC	
Type	Sewage treatment plant (STP)	
Concentration	100	mg/l

8.2. Exposure controls

General protective and hygiene measures

Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands before breaks and after work.

Respiratory protection

Breathing apparatus in the event of aerosol. Particle filter P1

Hand protection

The instructions and information provided by the glove manufacturer on use, storage, maintenance and replacement must be followed.

Appropriate Material nitrile rubber - NBR
 Material thickness 0.11 mm
 Breakthrough time > 480 min
 Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses

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	
Physical state	Powder	
Melting point		
Value	> 450	°C
Boiling point or initial boiling point and boiling range		
Remarks	Not applicable	
Upper and lower explosive limits		
Remarks	Not applicable	
Flash point		
Value	°C	
Remarks	Not applicable	
Auto-ignition temperature		
Remarks	Not applicable	
Decomposition temperature		
Value	> 180	°C
pH value		
Value	8.8 to 9.3	
Concentration/H ₂ O	10 g/l	
Temperature	20 °C	

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Vapour pressure

Remarks Not applicable

Density and/or relative density

Value	2.44		g/cm ³
Temperature	20	°C	

9.2. Other information**Solubility in water**

Value	1600		g/l
Temperature	20	°C	

Bulk density

Value	800	to	1200	kg/m ³
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SECTION 10: Stability and reactivity**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 hazardous reactions known.

10.4. Conditions to avoid

Heat. Sensitive to moisture.

10.5. Incompatible materials

None known

10.6. Hazardous decomposition productsPhosphorus oxides (e.g. P₂O₅), potassium oxide**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)**Dipotassium hydrogenorthophosphate**

Species	rat		
LD50	>	2000	mg/kg
Method	OECD 420		

Acute dermal toxicity

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

Acute dermal toxicity (Components)**Dipotassium hydrogenorthophosphate**

Species	rat		
LD50	>	5000	mg/kg
Method	OECD 402		

Acute inhalational toxicity

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

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Acute inhalative toxicity (Components)**Dipotassium hydrogenorthophosphate**

Species	rat	
LD50	> 830	mg/m ³
Method	OECD 403	

Skin corrosion/irritation

Remarks	Based on available data, the classification criteria are not met.
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Skin corrosion/irritation (Components)**Dipotassium hydrogenorthophosphate**

evaluation	non-irritant
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Serious eye damage/irritation

Remarks	Based on available data, the classification criteria are not met.
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Serious eye damage/irritation (Components)**Dipotassium hydrogenorthophosphate**

evaluation	non-irritant
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Sensitization

Remarks	Based on available data, the classification criteria are not met.
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Sensitization (Components)**Dipotassium hydrogenorthophosphate**

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

Remarks	Based on available data, the classification criteria are not met.
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Mutagenicity (Components)**Dipotassium hydrogenorthophosphate**

evaluation	No mutagenicity in the Ames-test.
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Reproductive toxicity

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

Remarks	Based on available data, the classification criteria are not met.
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Carcinogenicity (Components)**Dipotassium hydrogenorthophosphate**

evaluation	Based on available data, the classification criteria are not met.
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Specific Target Organ Toxicity (STOT)**Single exposure**

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

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

Remarks	Based on available data, the classification criteria are not met.
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11.2. Information on other hazards**Endocrine disrupting properties with respect to humans**

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

Remarks	Observe the usual precautions for handling chemicals.
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SECTION 12: Ecological information

12.1. Toxicity

Fish toxicity

Species	golden orfe (<i>Leuciscus idus</i>)	
LC0	appr. 900	mg/l
Duration of exposure	48	h
Source	IUCLID	

Fish toxicity (Components)

Dipotassium hydrogenorthophosphate

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

Daphnia toxicity (Components)

Dipotassium hydrogenorthophosphate

Species	Daphnia magna	
EC50	> 100	mg/l
Duration of exposure	48	h

Algae toxicity (Components)

Dipotassium hydrogenorthophosphate

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

Dipotassium hydrogenorthophosphate

Species	Desmodesmus subspicatus	
NOEC	> 100	mg/l
Duration of exposure	72	h
Source	B063280 SDS Kirsch 20250811	

12.2. Persistence and degradability

Biodegradability

Remarks	Inorganic product, cannot be eliminated from the water by biological purification processes.
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12.3. Bioaccumulative potential

General information

There is no data available on the product apart from the information given in this subsection.

12.5. Results of PBT and vPvB assessment

General information

No data available

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.

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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

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 or ID 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 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.

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.