

Trade name: Dinatrii phosphas dihydricus

Substance number: 063300

Version: 3 / CH

Date revised: 24.11.2021

Replaces Version: 2 / CH

Print date: 24.11.21

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

1.1. Product identifier

Dinatrii phosphas dihydricus

Item No. 06330000

Substance / product identification

CAS-No. 10028-24-7

EINECS-No. 231-448-7

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

Use of the substance/preparation

Manufacture of pharmaceutical products, 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

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.

SECTION 3: Composition/information on ingredients ***

Chemical characterization

Single substance

Molecular weight

Value 177.99 g/mol

Further ingredients ***

disodium hydrogenorthophosphate, dihydrate

CAS No. 10028-24-7

EINECS no. 231-448-7

Registration no. 01-2119489797-11

Concentration >= 95 %

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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 the casualty into fresh air and keep him calm.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash skin thoroughly with water (15 min.).

After eye contact

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

After ingestion

Let plenty of water be drunk in small gulps. By continuous complaints consult a physician. Never give anything by mouth to an unconscious person.

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: phosphorus oxides

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

Use self-contained breathing apparatus.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Avoid dust formation. Do not inhale dust. Ensure adequate ventilation.

6.2. Environmental precautions

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

6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

SECTION 7: Handling and storage

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7.1. Precautions for safe handling**Advice on safe handling**

Avoid dust formation. 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. Keep in a cool 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

Keep container tightly closed.

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

Breathing apparatus in the event of aerosol. Particle filter A/P2

Hand protection

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

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**

Form	crystalline		
Colour	white		
Odour	odourless		
pH value			
Value	8.8	to	9.4
Concentration/H ₂ O	10	g/l	
Temperature	20	°C	

Melting point

Value	appr. 90	°C
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Initial boiling point and boiling range

Remarks	No data available
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Flash point

Remarks	Not applicable
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Density

Value	2.1		g/cm ³
Temperature	20	°C	

Solubility in water

Value	60		g/l
Temperature	20	°C	

9.2. Other information**Bulk density**

Value	350	to	1000	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

Possible incompatibility with materials listed under section 10.5.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

Exothermic reaction with acids.

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 toxicological effects****Acute oral toxicity (Components)****disodium hydrogenorthophosphate, dihydrate**

Species	rat		
LD50	17000		mg/kg

Acute dermal toxicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks	No data available.
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Acute inhalative toxicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks	No data available.
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Skin corrosion/irritation (Components)**disodium hydrogenorthophosphate, dihydrate**

evaluation	slightly irritant
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Serious eye damage/irritation (Components)**disodium hydrogenorthophosphate, dihydrate**

evaluation	slightly irritant
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Sensitization (Components)**disodium hydrogenorthophosphate, dihydrate**

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Remarks No data available.

Subacute, subchronic, chronic toxicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks No data available.

Mutagenicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks No data available

Reproduction toxicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks No data available.

Carcinogenicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks No data available.

Specific Target Organ Toxicity (STOT) (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks Not applicable

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)****disodium hydrogenorthophosphate, dihydrate**

Species	Gambusia affinis	
LC50	467	mg/l
Duration of exposure	48	h

Daphnia toxicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Species	Daphnia magna	
EC50	1089	mg/l
Duration of exposure	48	h

Algae toxicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Species	Desmodesmus subspicatus	
	> 100	mg/l
Duration of exposure	72	h

Bacteria toxicity (Components)**disodium hydrogenorthophosphate, dihydrate**

Remarks No data available.

12.2. Persistence and degradability**Biodegradability**

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

12.3. Bioaccumulative potential**General information**

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No data available

12.4. Mobility in soil**General information**

No data available

12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential**

The Substance doesn't meets PBT/vPvB-criteria

12.6. 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 1
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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.