

Trade name: Dinatrii phosphas anhydricus

Substance number: 063288

Version: 3 / CH

Date revised: 21.12.2022

Replaces Version: 2 / CH

Print date: 21.12.22

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

1.1. Product identifier

Dinatrii phosphas anhydricus

Item No. 06328800

Substance / product identification

CAS-No. 7558-79-4

EINECS-No. 231-448-7

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

Use of the substance/preparation

Reagent for analyses, food additive, Cosmetics, industry, pharmacy

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 ***

Further ingredients ***

CAS No. 7558-79-4

EINECS no. 231-448-7

Registration no. 01-2119489797-11-XXXX

Concentration >= 95 %

Advice: [4]

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Note

[4] Voluntary information

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

In any case show the physician the Safety Data Sheet. Never give anything by mouth to an unconscious person.

After inhalation

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

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash off with soap and water.

After eye contact

In case of contact with the eyes, rinse immediately for at least 15 minutes with plenty of water. Remove contact lenses. By continuous complaints consult a physician.

After ingestion

Rinse mouth thoroughly with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. By continuous complaints consult a physician.

4.3. Indication of any immediate medical attention and special treatment needed**Hints for the physician / treatment**

Treat symptomatically

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

Alcohol-resistant foam, Carbon dioxide, Dry powder, Water mist

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

In the event of fire the following can be released: Development of toxic gases; Carbon monoxide (CO); sodium oxides; phosphorus oxides

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

Use self-contained breathing apparatus. Wear protective clothing.

Other information

Collect contaminated fire-fighting water separately, must not be discharged into the drains. Fire residues and contaminated fire-fighting water must be disposed of in accordance with the local regulations.

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

Avoid dust formation. Ensure adequate ventilation. Use personal protective clothing.

6.2. Environmental precautions

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

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6.3. Methods and material for containment and cleaning up

Take up mechanically and collect in suitable container for disposal.

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

Provide suitable exhaust ventilation at processing machines. Wear protective equipment. Avoid inhaling dusts/ billows/ steams. Avoid the formation and deposition of dust. Smoking, eating and drinking should be prohibited in application area.

Advice on protection against fire and explosion

Avoid dust formation.

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

Polyethylene

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 containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters****Other information**

Contains no substances with occupational exposure limit values.

Derived No/Minimal Effect Levels (DNEL/DMEL)

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	General Population	
Duration of exposure	Long term	
Route of exposure	inhalative	
Mode of action	Systemic effects	
Concentration	3.08	mg/m ³

Predicted No Effect Concentration (PNEC)

Type of value	PNEC	
Type	Freshwater	
Concentration	0.05	mg/l

Type of value	PNEC	
Type	Saltwater	
Concentration	0.005	mg/l

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Type of value	PNEC		
Type	Water (intermittent release)		
Concentration	0.5		mg/l
Type of value	PNEC		
Type	Sewage treatment plant (STP)		
Concentration	50		mg/l

8.2. Exposure controls

Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Particle filter P2

Hand protection

Protective gloves

Appropriate Material Butyl rubber - Butyl
Material thickness 0.7 mm

Hand protection must comply with EN 374.

Appropriate Material neoprene
Material thickness 0.7 mm

Appropriate Material nitrile rubber - NBR
Material thickness 0.7 mm

Eye protection

Safety glasses; Eye protection must comply with EN 166.

Body protection

protective overalls

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Granulate-Powder mixture		
Colour	white to cream colour		
Odour	odourless		
Melting point			
Value	>	450	°C
Boiling point or initial boiling point and boiling range			
Remarks	No data available		
Flash point			
Value	°C		
Remarks	Not applicable		
Decomposition temperature			
Value	>	250	°C
pH value			
Value	8.4	to	9.6
Concentration/H ₂ O	10.00	g/l	
Partition coefficient n-octanol/water (log value)			
p _{OW}	-2		
Density and/or relative density			
Value	0.7	to	1.1 g/ml
Remarks	Relative Density according specification		

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9.2. Other information**Solubility in water**

Value	40			g/l
Temperature	20	°C		

Bulk density

Value	500	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

No decomposition if stored and applied as directed.

10.4. Conditions to avoid

Protect from heat and direct sunlight. Sensitive to moisture. Protect from atmospheric moisture and water.

10.5. Incompatible materials

strong acids

10.6. Hazardous decomposition products

No hazardous decomposition products known when handled according to prescribed instructions.

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

Species	rat		
LD50	>	2000	mg/kg
Source	OECD 420		

Acute dermal toxicity (Components)

Species	rat		
LD50	>	2000	
Method	OECD 402		

Acute inhalative toxicity (Components)

Species	rat		
LC50	>	830	mg/m ³
Method	OECD 403		

Skin corrosion/irritation

Remarks No effect of irritation known.

Skin corrosion/irritation (Components)

Species	rabbit		
evaluation	non-irritant		
Method	OECD 404		

Serious eye damage/irritation

Remarks No effect of irritation known

Serious eye damage/irritation (Components)

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Species evaluation	rabbit slightly irritant
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Sensitization

Remarks	No data available.
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Sensitization (Components)

Remarks	No data available.
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Subacute, subchronic, chronic toxicity (Components)

Remarks	Not applicable
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Mutagenicity (Components)

Species	Salmonella typhimurium
Method	OECD 471
Remarks	negative

Reproduction toxicity (Components)

Remarks	No data available
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Carcinogenicity (Components)

Remarks	No data available.
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Specific Target Organ Toxicity (STOT) (Components)

Remarks	Not applicable
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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)**

Species	Gambusia affinis	
LC50	467	mg/l
Duration of exposure	48	h
Species	rainbow trout (Oncorhynchus mykiss)	
LC50	100	mg/l
Method	OECD 203	

Daphnia toxicity (Components)

Species	Daphnia magna	
EC50	1089	mg/l
Species	Daphnia magna	
EC50	> 100	mg/l
Duration of exposure	48	h
Method	OECD 202	

Algae toxicity (Components)

Species	Desmodesmus subspicatus	
ErC50	> 100	mg/l
Method	OECD 201	

Bacteria toxicity (Components)

Remarks	No data available.
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12.2. Persistence and degradability**Biodegradability**

Remarks	Not readily biodegradable.
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12.3. Bioaccumulative potential**Partition coefficient n-octanol/water (log value)**

pOW -2

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**

Ecological data are not available.

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

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 been carried out.

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

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guarantee for any specific product properties and shall not establish a legally valid relationship.