

Trade name: Dinatrii phosphas dodecahydr

Substance number: 063312

Version: 2 / CH

Date revised: 21.12.2018

Replaces Version: 1 / CH

Print date: 04.10.19

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

1.1. Product identifier

Dinatrii phosphas dodecahydr

Item No. 06331200

Substance / product identification

CAS-No. 10039-32-4

EINECS-No. 213-448-7

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

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 358.14 g/mol

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.

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After eye contact

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

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

5.2. Special hazards arising from the substance or mixtureThe product is not combustible. If a fire breaks out nearby evolution of dangerous gases possible.
phosphorus oxides**5.3. Advice for firefighters****Special protective equipment for fire-fighting**

Use self-contained breathing apparatus.

Other information

Suppress vapours 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 dust formation. Do not inhale dust.

6.2. Environmental precautions

Do not empty into drains.

6.3. Methods and material for containment and cleaning up

To pick up dry. Dampen, pick up mechanically and dispose of. 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**

Value 15 - 25 °C

Requirements for storage rooms and vessels

Keep in a dry place.

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 before breaks and after work.

Respiratory protection

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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

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

Form	solid			
Colour	colourless			
Odour	odourless			
pH value				
Value	appr. 9.0	to	9.4	
Concentration/H ₂ O	50	g/l		
Temperature	20	°C		
Melting point				
Value	35	°C		
Initial boiling point and boiling range				
Remarks	Not applicable			
Flash point				
Remarks	Not applicable			
Density				
Value	1.25	g/cm ³		
Temperature	20	°C		
Solubility in water				
Value	appr. 218	g/l		
Temperature	20	°C		
9.2. Other information				
Bulk density				
Value	appr. 800	to	900	kg/m ³

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

Heat

10.5. Incompatible materials

No decomposition if stored and applied as directed.

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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**

Species	rat		
LD50		17000	mg/kg
Source	RTECS		

Skin corrosion/irritation

evaluation	slightly irritant
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Serious eye damage/irritation

evaluation	slightly irritant
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Mutagenicity

Species	Escherichia coli
Remarks	negative
Source	Literature value

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity**

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

Daphnia toxicity

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

12.2. Persistence and degradability**Biodegradability**

Remarks	No data available.
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12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential**

The product contains no PBT or vPvB substances.

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**

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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	Non-dangerous goods	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 WGK 1
(Germany)**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.