

Trade name: Calcii hydrogenophosphas dihydr

Substance number: 062304

Version: 3 / CH

Date revised: 01.12.2020

Replaces Version: 2 / CH

Print date: 01.12.20

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

1.1. Product identifier

Calcii hydrogenophosphas dihydr

Item No. 06230400

Substance / product identification

CAS-No. 7789-77-7

EINECS-No. 231-826-1

REACH Registry No. 01-2119490064-41

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

Use of the substance/preparation

Manufacture of pharmaceutical products

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 172.10 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

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After inhalation

Remove to fresh air, keep patient warm and at rest.

After skin contact

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

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.

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

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

Dampen, pick up mechanically and dispose of. Clean up affected area.

SECTION 7: Handling and storage**7.2. Conditions for safe storage, including any incompatibilities****Recommended storage temperature**

Value < 25

Requirements for storage rooms and vessels

Keep in a dry place.

Further information on storage conditions

Keep container tightly closed. Protect from atmospheric moisture and water.

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

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Wash contaminated clothing before reuse. Wash hands and face 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

Clothing as usual in the chemical industry.

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

Form	Powder
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Colour	white
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Odour	odourless
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pH value

Value	7.5	
Concentration/H ₂ O	100	g/l
Temperature	25	°C

Melting point

Value	> 370	°C
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Initial boiling point and boiling range

Remarks	Not applicable
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Flash point

Value	°C
Remarks	Not applicable

Density

Value	2.32	g/cm ³
Temperature	20	°C

Solubility in water

Value	0.2	g/l
Temperature	25	°C

Decomposition temperature

Value	370	°C
Remarks	Loss of water of crystallization on heating	

9.2. Other information**Bulk density**

Value	appr. 1150	kg/m ³
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SECTION 10: Stability and reactivity**10.1. Reactivity**

heat

10.2. Chemical stability

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No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

Heat

10.5. Incompatible materials

No dangerous reactions known.

10.6. Hazardous decomposition products

Phosphorus oxides (e.g. P₂O₅)

SECTION 11: Toxicological information**11.1. Information on toxicological effects****Acute oral toxicity**

Species	rat		
LD50	>	4640	mg/kg
Source	Literature value		

Acute dermal toxicity

Species	rabbit		
		2000	mg/kg

Acute inhalational toxicity

Species	rat		
		2.6	mg/l
Duration of exposure	4	h	
Method	OECD 403		

Skin corrosion/irritation

Remarks No effect of irritation known.

Serious eye damage/irritation

Remarks No effect of irritation known

Sensitization

Remarks No sensitisation effect known.

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****General information**

No data available

12.2. Persistence and degradability**General information**

Not applicable

Biodegradability

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

12.3. Bioaccumulative potential

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General information

Not applicable

12.4. Mobility in soil**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**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. Product is slightly hazardous to water.

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

Identification number 6516

15.2. Chemical safety assessment

For this substance a chemical safety assessment has not 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 guarantee for any specific product properties and shall not establish a legally valid relationship.

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