

Trade name: Tricalcii phosphas

Substance number: 062346

Version: 5 / CH

Date revised: 23.02.2021

Replaces Version: 4 / CH

Print date: 23.02.21

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

Tricalcii phosphas

Item No. 06234600

Registration no.

EC No.: 235-330-6

CAS No. 12167-74-7

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

Reagent for analyses

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 *****Further ingredients *******Pentacalcium hydroxide tris(orthophosphate)**

CAS No. 12167-74-7

EINECS no. 235-330-6

Concentration >= 95 %

Advice: [4]

Note

[4] Voluntary information

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SECTION 4: First aid measures

4.1. Description of first aid measures

After skin contact

After contact with skin, wash immediately with plenty of water.

After eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

After ingestion

Let plenty of water be drunk in small gulps. Summon a doctor immediately.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Water spray jet, Foam, Carbon dioxide, Dry powder, Extinguishing measures to suit surroundings

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: Calcium oxide; phosphorus oxides

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. Send in suitable containers for recovery or disposal.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on protection against fire and explosion

No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Storage classes

Storage class according to TRGS 510

13

Non- combustible solids

Storage category (Switzerland)

NG

Other solid hazardous substances
without classification/labelling
hazardous

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Do not breathe dust. Wash hands before breaks and after work.

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Respiratory protection

Dust mask; Full mask, combination filter B2/P2

Hand protection

Gloves

Appropriate Material Natural Latex

Glove type Lapren706

Material thickness 0.6 mm

Breakthrough time > 480 min

Eye protection

Safety glasses with side protection shield

Body protection

Protective clothing

SECTION 9: Physical and chemical properties**9.1. Information on basic physical and chemical properties****Form** Powder**Colour** white**Odour** odourless**pH value**

Value 5 to 8

Concentration/H₂O 100 g/l

Temperature 20 °C

Remarks Aqueous extract

Melting point

Value appr. 1.700 °C

Initial boiling point and boiling range

Remarks No data available

Flash point

Value °C

Remarks Not applicable

Upper/lower flammability or explosive limits

Remarks Not applicable

Vapour pressure

Remarks No data available

Density

Remarks No data available

Solubility in water

Remarks virtually insoluble

Partition coefficient: n-octanol/water

Remarks No data available

Ignition temperature

Remarks Not applicable

Oxidising properties

Remarks non flammable

9.2. Other information**Bulk density**

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Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Pentacalcium hydroxide tris(orthophosphate)

Route of exposure	inhalative
Species	guinea pig
evaluation	non-sensitizing
Method	OECD 406

Mutagenicity (Components)**Pentacalcium hydroxide tris(orthophosphate)**

evaluation	No mutagenicity in the Ames-test.
Method	OECD 471

Other information

Observe the usual precautions for handling chemicals.

SECTION 12: Ecological information**12.1. Toxicity****Fish toxicity (Components)****Pentacalcium hydroxide tris(orthophosphate)**

Species	Oryzias latipes		
LC50	> 100		mg/l
Duration of exposure	96	h	
Method	OECD 203		

Daphnia toxicity (Components)**Pentacalcium hydroxide tris(orthophosphate)**

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

Algae toxicity (Components)**Pentacalcium hydroxide tris(orthophosphate)**

Species	Pseudokirchneriella subcapitata		
EC50	> 100		mg/l
Duration of exposure	72	h	
Method	OECD 201		
Source	REACH Dossier "read-across"		

12.2. Persistence and degradability**Biodegradability (Components)****Pentacalcium hydroxide tris(orthophosphate)**

Remarks	Inorganic product, cannot be eliminated from the water by biological purification processes.
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12.3. Bioaccumulative potential**Partition coefficient: n-octanol/water**

Remarks	No data available
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12.5. Results of PBT and vPvB assessment**Evaluation of persistence and bioaccumulation potential (Components)****Pentacalcium hydroxide tris(orthophosphate)**

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The product contains no PBT or vPvB substances.

12.6. 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

Disposal in compliance with local and national regulations.

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 3

Remarks Derivation of WGK according to Annex 1 No. 5.2 AwSV

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.