

Trade name: Natrii dihydrogenophos dihydr

Substance number: 066104

Version: 3 / CH

Date revised: 26.03.2025

Replaces Version: 2 / CH

Print date: 26.03.25

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

Natrii dihydrogenophos dihydr

Item No. 06610400

Substance / product identification

CAS-No. 13472-35-0

EINECS-No. 231-449-2

REACH Registry No. EXCEMPT

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

food additive, 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**

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 *****Molecular weight**

Value

156.02

g/mol

Further ingredients *****Sodiumdihydrogenphosphate, dihydrate**

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Registration no. 01-2119489796-13-XXXX
Concentration >= 95 %
Advice: [4]

Note

[4] Voluntary information

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

Adhere to personal protective measures when giving first aid

After inhalation

Ensure supply of fresh air. In the event of symptoms take medical treatment.

After skin contact

In case of contact with skin wash off with warm water.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). By continuous complaints consult a physician.

After ingestion

Rinse out mouth and give plenty of water to drink. Never give anything by mouth to an unconscious person. By continuous complaints consult a physician.

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

Carbon dioxide, Dry powder, Water spray jet, Extinguish greater fire with water spray or alcohol-resistant foam. Extinguishing measures to suit surroundings

5.2. Special hazards arising from the substance or mixture

In case of combustion evolution of dangerous gases possible. phosphorus oxides

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

Use self-contained breathing apparatus. Do not allow run-off from fire fighting to enter drains or water courses.

Other information

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**

Ensure adequate ventilation. Do not inhale dust.

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. Clean contaminated surfaces thoroughly with water.

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6.4. Reference to other sections

Information regarding waste disposal, see Section 13.

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

Avoid development of dusts/ billows/ steams. Do not inhale dust.

Advice on protection against fire and explosion

The product is not combustible.

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

Keep container tightly closed in a well-ventilated place.

Hints on storage assembly

Not required.

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**

Store in a dry place. Product is hygroscopic.

SECTION 8: Exposure controls/personal protection *****8.2. Exposure controls****Exposure controls**

See Section 7. No measures exceeding the ones mentioned necessary.

General protective and hygiene measures

Observe the usual precautions for handling chemicals.

Respiratory protection

Breathing apparatus in the event of aerosol, mist or fume formation. Particle filter P2

Hand protection ***

The glove material must be sufficient impermeable and resistant to the substance. Check the tightness before wear. Gloves should be well cleaned before being removed, then stored in a well ventilated location.

Appropriate Material

nitrile rubber - NBR

Material thickness

0.11 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**

Physical state

solid

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Colour white
Odour odourless
Physical state crystalline
Melting point
 Value appr. 60 °C

Boiling point or initial boiling point and boiling range

Remarks not determined

Flammability

Not ignitable

Flash point

Value °C
 Remarks Not applicable

Decomposition temperature

Value > 170 °C

pH value

Value 4.4 to 4.6
 Concentration/H₂O 10 g/l
 Temperature 20 °C

Density and/or relative density

Value 1.92 g/cm³
 Temperature 20 °C

9.2. Other information**Solubility in water**

Value appr. 850 mg/l
 Temperature 20 °C

Bulk densityValue appr. 1000 kg/m³**Other information**

The product is not dangerous for explosions.

SECTION 10: Stability and reactivity**10.1. Reactivity**

heat

10.2. Chemical stability

No decomposition if stored and applied as directed.

10.3. Possibility of hazardous reactions

No hazardous reactions known.

10.4. Conditions to avoid

To avoid thermal decomposition, do not overheat.

10.5. Incompatible materials

No decomposition if stored and applied as directed.

10.6. Hazardous decomposition productsPhosphorus oxides (e.g. P₂O₅)**SECTION 11: Toxicological information *****

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11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**Acute oral toxicity (Components)****Sodiumdihydrogenphosphate, dihydrate**

Species	rat		
LD50		7100	mg/kg

Sodiumdihydrogenphosphate, dihydrate

Species	rat		
LD50	>	2000	mg/kg

Acute dermal toxicity (Components)**Sodiumdihydrogenphosphate, dihydrate**

Species	rabbit		
LD50	>	7940	mg/kg

Sodiumdihydrogenphosphate, dihydrate

Species	rat		
LD50	>	2000	mg/kg

Acute inhalative toxicity (Components)**Sodiumdihydrogenphosphate, dihydrate**

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

Species	rabbit		
Duration of exposure	4	h	
Method	OECD 404		
Remarks	None		

Serious eye damage/irritation (Components)**Sodiumdihydrogenphosphate, dihydrate**

Species	rabbit		
Duration of exposure	72	h	
Remarks	slightly irritating (Eye)		

Sensitization (Components)**Sodiumdihydrogenphosphate, dihydrate**

Remarks	No sensitisation effect known.
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Subacute, subchronic, chronic toxicity (Components)**Sodiumdihydrogenphosphate, dihydrate**

Remarks	No data available.
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Mutagenicity (Components)**Sodiumdihydrogenphosphate, dihydrate**

Remarks	No data available.
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Reproduction toxicity (Components)**Sodiumdihydrogenphosphate, dihydrate**

Remarks	No data available.
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Carcinogenicity (Components)**Sodiumdihydrogenphosphate, dihydrate**

Remarks	No data available
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Specific Target Organ Toxicity (STOT) (Components)**Sodiumdihydrogenphosphate, dihydrate**

Remarks	No data available
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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

Remarks No data available.

Fish toxicity (Components)

Sodiumdihydrogenphosphate, dihydrate

Species rainbow trout (*Oncorhynchus mykiss*)
LC50 > 100 mg/l

Daphnia toxicity (Components)

Sodiumdihydrogenphosphate, dihydrate

Species *Daphnia magna*
EC50 > 100 mg/l
Duration of exposure 48 h

Algae toxicity (Components)

Sodiumdihydrogenphosphate, dihydrate

Remarks No data available.

Bacteria toxicity (Components)

Sodiumdihydrogenphosphate, dihydrate

Remarks No data available.

12.2. Persistence and degradability

Biodegradability (Components)

Sodiumdihydrogenphosphate, dihydrate

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

12.3. Bioaccumulative potential

General information

No data available

12.4. Mobility in soil

General information

No data available

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

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Product is slightly hazardous to water. Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

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

Dispose of as unused product.

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 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.