

Trade name: Natrii phosphas

Substance number: 066488

Version: 4 / CH

Date revised: 28.03.2024

Replaces Version: 3 / CH

Print date: 28.03.24

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

1.1. Product identifier

Natrii phosphas

Item No. 06648800

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

Classification (Regulation (EC) No. 1272/2008)

Classification (Regulation (EC) No. 1272/2008)

Skin Corr. 1C H314

Eye Dam. 1 H318

The product is classified and labelled in accordance with Regulation (EC) No 1272/2008

For explanation of abbreviations see section 16.

2.2. Label elements

Labelling according to regulation (EC) No 1272/2008

Hazard pictograms ***



Signal word ***

Danger

Hazard statements ***

H314 Causes severe skin burns and eye damage.

Precautionary statements ***

P264.1 Wash hands thoroughly after handling.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor.

P501.3 Disposal in compliance with local and national regulations.

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2.3. Other hazards

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 ***

Hazardous ingredients ***

CAS No.	10101-89-0		
EINECS no.	600-151-8		
Concentration	>= 50		%
Classification (Regulation (EC) No. 1272/2008)			
	Skin Corr. 1		H314
	Eye Dam. 1		H318

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Seek medical advice immediately. In any case show the physician the Safety Data Sheet.

After inhalation

Ensure supply of fresh air. If necessary, device ventilation or oxygen supply. Summon a doctor immediately.

After skin contact

Remove contaminated, soaked clothing immediately and dispose of safely. Wash skin thoroughly with water (15 min.). Consult a doctor if symptoms occur.

After eye contact

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

After ingestion

Do not induce vomiting. Never give anything by mouth to an unconscious person. Summon a doctor immediately.

Adhere to personal protective measures when giving first aid

No direct artificial respiration to be given by first aider.

4.2. Most important symptoms and effects, both acute and delayed

Irritation of mucosa, Nausea, Gastrointestinal complaints

4.3. Indication of any immediate medical attention and special treatment needed

Hints for the physician / treatment

Symptomatic treatment (decontamination, vital functions), no specific antidote known.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media

Dry powder, Carbon dioxide, Alcohol-resistant foam

Non suitable extinguishing media

Full water jet

5.2. Special hazards arising from the substance or mixture

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Development of toxic gases; explosiv

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

Collect contaminated fire-fighting water separately, must not be discharged into the drains.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation. Keep away sources of ignition. Keep away unprotected persons. Forms slippery surfaces with water. Wear protective equipment. Do not inhale dust.

6.2. Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers). Do not discharge into the drains/surface waters/groundwater.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. When picked up, treat material as prescribed under Section 13 "Disposal".

SECTION 7: Handling and storage ***

7.1. Precautions for safe handling

Advice on safe handling

Use only in well-ventilated areas. Wear protective equipment. Avoid skin and eye contact. Isolate from sources of heat, sparks and open flame. Take action to prevent static discharges.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Provide alkali-resistant floor. Do not use aluminium containers. Keep container tightly closed in a well-ventilated place. Keep in a cool place.

Hints on storage assembly

Do not store with acids.

Storage classes

Storage class according to TRGS 510	8B	Non-combustible corrosive hazardous substances
Storage category (Switzerland)	8	Caustic and corrosive substances

SECTION 8: Exposure controls/personal protection

8.2. Exposure controls

General protective and hygiene measures

Keep away from food-stuffs, beverages and feed-stocks. Remove contaminated, soaked clothing immediately and dispose of safely. Wash hands and face before breaks and after work. Avoid contact with skin and eyes. Hold eye wash fountain available.

Respiratory protection

Full mask; combination filter AXBEK (EN 14387)

Hand protection

Gloves (alkali-resistant)	
Appropriate Material	nitrile rubber - NBR
Material thickness	0.5 mm

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Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material		Polychloroprene	
Material thickness		0.5	mm
Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material		nitrile rubber - NBR	
Material thickness		0.35	mm
Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material		butyl	
Material thickness		0.5	mm
Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material		Fluoro carbon rubber - FKM	
Material thickness		0.4	mm
Breakthrough time	>=	8	h
Gloves (alkali-resistant)			
Appropriate Material		PVC	
Material thickness		0.5	mm
Breakthrough time	>=	8	h

Hand protection must comply with EN 374.

Eye protection

Tightly fitting safety glasses; Eye protection must comply with EN 166.

Body protection

Fire-resistant antistatic protective clothing

SECTION 9: Physical and chemical properties *****9.1. Information on basic physical and chemical properties****Physical state** Crystalline powder**Colour** white**Melting point**

Value 73 °C

Boiling point or initial boiling point and boiling range

Value 100 °C

Flammability

No data available

Flash pointValue °C
Remarks Not applicable**Decomposition temperature**

Value 73 °C

pH valueValue 12
Concentration/H₂O 10 g/l
Temperature 20 °C**Density and/or relative density**Value 1.62 g/cm³
Temperature 20 °C
Remarks Relative Density according specification

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Particle characteristics

Remarks No data available

9.2. Other information**Solubility in water**

Remarks miscible

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

No hazardous reactions when stored and handled according to prescribed instructions.

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

Heat. Flames. Sparks

10.5. Incompatible materials

Reacts violently with: Water, Corrodes aluminium.

10.6. Hazardous decomposition productsPhosphorus oxides (e.g. P₂O₅), sodium hydroxide (NaOH)**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		7400	mg/kg

Skin corrosion/irritation (Components)

evaluation strongly irritant

Serious eye damage/irritation (Components)

evaluation irritant - risk of serious damage to eyes

Sensitization

Remarks No data available

Reproductive toxicity

Remarks No data available

Carcinogenicity

Remarks	No evidence available on carcinogenicity.
Source	IARC

Specific Target Organ Toxicity (STOT)

Remarks No data available

Aspiration hazard

No data available.

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.

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SECTION 12: Ecological information *****12.1. Toxicity****Fish toxicity (Components)**

LC50	748		mg/l
Duration of exposure	96	h	

12.2. Persistence and degradability**General information**

No data available

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**

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 ***

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	Land transport ADR/RID ***	Marine transport IMDG/GGVSee ***	Air transport ICAO/IATA ***
Tunnel restriction code	E		
14.1. UN number	3262	3262	3262
14.2. UN proper shipping name	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.	CORROSIVE SOLID, BASIC, INORGANIC, N.O.S.
14.3. Transport hazard class(es)	8	8	8
Label			
14.4. Packing group	III	III	III
Limited Quantity	5 kg		
Transport category	3		

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

Hazard statements listed in Chapter 3

H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.

CLP categories listed in Chapter 3

Eye Dam. 1 Serious eye damage, Category 1
Skin Corr. 1 Skin corrosion, Category 1
Skin Corr. 1C Skin corrosion, Category 1C

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.