

Trade name: Phoskadent NA 211

Substance number: 067180

Version: 1 / CH

Date revised: 09.02.2024

Replaces Version: - / CH

Print date: 09.02.24

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

1.1. Product identifier

Phoskadent NA 211

Item No. 06718000

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)

Acute Tox. 4 H302

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

Warning

Hazard statements

H302 Harmful if swallowed.

Precautionary statements

P264.1 Wash hands thoroughly after handling.
P270 Do not eat, drink or smoke when using this product.
P301+P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.
P330 Rinse mouth.
P501.3 Disposal in compliance with local and national regulations.

Hazardous component(s) to be indicated on label (Regulation (EC) No. 1272/2008)

contains Disodium fluorophosphate

2.3. Other hazards

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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

Disodium fluorophosphate

| | | | |
|--|--------------|------|---|
| CAS No. | 10163-15-2 | | |
| EINECS no. | 233-433-0 | | |
| Concentration | >= 50 | | % |
| Classification (Regulation (EC) No. 1272/2008) | Acute Tox. 4 | H302 | |

| | | | |
|-----|-----------------------|-----|-------|
| ATE | oral | 784 | mg/kg |
| ATE | inhalative, Dust/Mist | 2.1 | mg/l |

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In any case show the physician the Safety Data Sheet. Remove contaminated clothing immediately and dispose of safely.

After inhalation

Remove the casualty into fresh air and keep him calm. In the event of symptoms take medical treatment.

After skin contact

Remove contaminated clothing. Wash off immediately with soap and water. Consult a doctor if symptoms occur.

After eye contact

Separate eyelids, wash the eyes thoroughly with water (15 min.). Remove contact lenses. Summon a doctor immediately.

After ingestion

Rinse out mouth and give plenty of water to drink. Seek medical advice immediately.

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

Important or other important known symptoms and effects are described in the GHS labelling of the product (see section 2) and in section 11.

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

Water spray jet, Alcohol-resistant foam, Dry powder, Carbon dioxide, 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: Hydrogen fluoride (HF); If a fire breaks out nearby

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evolution of dangerous gases possible. The product is not combustible.

5.3. Advice for firefighters

Special protective equipment for fire-fighting

Use self-contained breathing apparatus. Do not inhale explosion and/or combustion gases.

Other information

Suppress gases/vapours/mists with water spray jet. Collect contaminated fire-fighting water separately, must not be discharged into the drains. 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

Avoid dust formation. Ensure adequate ventilation. Wear protective equipment. Keep away unprotected persons. Use breathing apparatus if exposed to vapours/dust/aerosol.

6.2. Environmental precautions

Do not allow to enter drains or waterways.

6.3. Methods and material for containment and cleaning up

Pick up mechanically. To pick up dry. Avoid raising dust. When picked up, treat material as prescribed under Section 13 "Disposal".

6.4. Reference to other sections

Information regarding Safe handling, see Section 7. Information regarding personal protective measures, see Section 8.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling

Avoid contact with skin, eyes and clothing. For personal protection see Section 8. Avoid dust formation. Provide exhaust ventilation if dust is formed.

Advice on protection against fire and explosion

The product is not combustible. No special measures required.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep tightly closed in a dry and cool place. Keep only in original container.

Hints on storage assembly

Do not store with acids. Do not store together with foodstuffs.

Storage classes

| | | |
|-------------------------------------|-------|--|
| Storage class according to TRGS 510 | 13 | Non- combustible solids |
| Storage category (Switzerland) | 11/13 | Other solid hazardous substances with classification/labelling hazardous |

Further information on storage conditions

Keep container tightly closed and dry in a cool, well-ventilated place. 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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General industrial hygiene practice. Observe the usual precautions for handling chemicals. Avoid contact with skin and eyes. Keep away from food-stuffs, beverages and feed-stocks. Wash hands before breaks and after work.

Respiratory protection

Dust mask; Particle filter half mask, filter FFP2 - Norm DIN EN 149

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 | 0.7 | mm |
| Breakthrough time | 480 | min |

Hand protection must comply with EN 374.

| | | |
|----------------------|----------------------------|-----|
| Appropriate Material | Fluoro carbon rubber - FKM | |
| Material thickness | 0.7 | mm |
| Breakthrough time | 480 | min |

| | | |
|----------------------|----------------------|-----|
| Appropriate Material | Butyl rubber - Butyl | |
| Material thickness | 0.7 | mm |
| Breakthrough time | 480 | min |

| | | |
|----------------------|---------------|-----|
| Appropriate Material | Natural Latex | |
| Material thickness | 0.7 | mm |
| Breakthrough time | 480 | min |

Eye protection

Safety glasses; Eye protection must comply with EN 166.

Body protection

Protective clothing

Environmental exposure controls

Do not allow to enter drains or water courses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | | |
|---|----------------|----|
| Physical state | solid | |
| Colour | white | |
| Odour | odourless | |
| Melting point | | |
| Value | > 450 | °C |
| Boiling point or initial boiling point and boiling range | | |
| Remarks | not determined | |
| Flammability | Not ignitable | |
| Flash point | | |
| Value | °C | |
| Remarks | Not applicable | |
| Ignition temperature | | |
| Remarks | Not applicable | |
| Decomposition temperature | | |
| Remarks | not determined | |
| pH value | | |
| Value | appr. 7.5 | |

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| | | |
|--------------------------------|----|-----|
| Concentration/H ₂ O | 10 | g/l |
| Temperature | 20 | °C |

Vapour pressure

Remarks not determined

9.2. Other information**Evaporation rate**

Remarks Not applicable

Solubility in water

| | | |
|-------------|-----|-----|
| Value | 296 | g/l |
| Temperature | 20 | °C |

Explosive properties

evaluation no

Bulk density

| | | |
|-------------|------------|-------------------|
| Value | appr. 1100 | kg/m ³ |
| Temperature | 20 | °C |

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

Contact with strong acids releases hydrogen fluoride.

10.4. Conditions to avoid

No hazardous reactions known.

10.5. Incompatible materials

strong acids

10.6. Hazardous decomposition products

Hydrogen fluoride

SECTION 11: Toxicological information**11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008****Acute oral toxicity**

| | | |
|-----|---------|-------|
| ATE | 784.007 | mg/kg |
| | 8 | |

Method calculated value (Regulation (EC) No. 1272/2008)

Acute oral toxicity (Components)**Disodium fluorophosphate**

| | | |
|---------|------------|-------|
| Species | rat (male) | |
| LD50 | 784 | mg/kg |
| Source | ECHA | |

Acute dermal toxicity (Components)**Disodium fluorophosphate**

Remarks No data available.

Acute inhalational toxicity

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| | | |
|---------------------|--|------|
| ATE | 2.1 | mg/l |
| Administration/Form | Dust/Mist | |
| Method | calculated value (Regulation (EC) No. 1272/2008) | |

Acute inhalative toxicity (Components)**Disodium fluorophosphate**

| | | |
|----------------------|--------------------|------|
| Species | Rats (male/female) | |
| LC50 | > 2.1 | mg/l |
| Duration of exposure | 4 | h |
| Administration/Form | Dust/Mist | |

Skin corrosion/irritation (Components)**Disodium fluorophosphate**

| | |
|------------|--------------------------------|
| evaluation | non-irritant |
| Method | Regulation (EC) 440/2008, B.46 |

Serious eye damage/irritation (Components)**Disodium fluorophosphate**

| | | |
|----------------------|--------------|---|
| Species | rabbit | |
| Duration of exposure | 72 | h |
| evaluation | non-irritant | |
| Method | OECD 405 | |

Sensitization (Components)**Disodium fluorophosphate**

| | |
|---------|--------------------|
| Remarks | No data available. |
|---------|--------------------|

Subacute, subchronic, chronic toxicity (Components)**Disodium fluorophosphate**

| | | |
|----------------------|--------------------|-------|
| Route of exposure | oral | |
| Species | Rats (male/female) | |
| | 30 | mg/kg |
| Repeated exposure | | |
| Duration of exposure | 14 | d |

Mutagenicity (Components)**Disodium fluorophosphate**

| | |
|------------|--|
| Species | Salmonella typhimurium |
| evaluation | No mutagenicity according to various in vitro tests. |

Reproduction toxicity (Components)**Disodium fluorophosphate**

| | |
|---------|--------------------|
| Remarks | No data available. |
|---------|--------------------|

Carcinogenicity (Components)**Disodium fluorophosphate**

| | |
|---------|---|
| Remarks | Based on available data, the classification criteria are not met. |
|---------|---|

Specific Target Organ Toxicity (STOT) (Components)**Disodium fluorophosphate**

| | |
|---------|--------------------|
| Remarks | 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.

SECTION 12: Ecological information

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12.1. Toxicity

Fish toxicity (Components)

Disodium fluorophosphate

| | | | |
|----------------------|--|-----|------|
| Species | rainbow trout (<i>Oncorhynchus mykiss</i>) | | |
| LC50 | > | 100 | mg/l |
| Duration of exposure | | 96 | h |
| Method | OECD 203 | | |

Daphnia toxicity (Components)

Disodium fluorophosphate

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

Algae toxicity (Components)

Disodium fluorophosphate

| | | | |
|----------------------|-------------------------|-----|------|
| Species | Desmodesmus subspicatus | | |
| | > | 100 | mg/l |
| Duration of exposure | | 72 | h |
| Method | OECD 201 | | |

Bacteria toxicity (Components)

Disodium fluorophosphate

| | | | |
|----------------------|------------------|------|------|
| Species | activated sludge | | |
| | > | 1000 | mg/l |
| Duration of exposure | | 3 | h |
| Method | OECD 209 | | |

12.2. Persistence and degradability

Biodegradability (Components)

Disodium fluorophosphate

| | |
|---------|-----------------|
| Remarks | Not applicable. |
|---------|-----------------|

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.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal recommendations for the product

Disposal in compliance with local and national regulations.
Do not dispose of it with household waste.
Do not allow to enter drains or water courses.

Disposal recommendations for packaging

Disposal in compliance with local and national regulations.
Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

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Packaging that cannot be cleaned should be disposed off as product waste.

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

SECTION 16: Other information

Hazard statements listed in Chapter 3

H302 Harmful if swallowed.

CLP categories listed in Chapter 3

Acute Tox. 4 Acute toxicity, Category 4

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.