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## 1 Identification of the substance/mixture and of the company/undertaking

· **Informations to product No. 2427**

· **Product name:**

### **Natriumdihydrogenphosphat-Dihydrat**

**Natrii dihydrogenphosphas dihydricus**

**Sodium dihydrogenphosphate dihydrate**

· **Supplier of the Product / responsible Company:**

Caesar & Loretz GmbH

Herderstr. 31

40721 Hilden

Tel.: 02103/4994-40

Fax: 02103/4994-50

· **Emergency telephone:**

Giftinformationszentrum Mainz

Langenbeckstr. 1, 55131 Mainz

Tel.: 06131/19240

· **Relevant identified uses of the substance or mixture and uses advised against:**

No further relevant information available.

· **Application of the substance / mixture:**

Ingredient for pharmaceutical drugs or active pharmaceutical ingredient.

## 2 Hazards identification

· **Hazards identification:** The substance is not classified as dangerous according to European Union legislation.

## 3 Composition / information on ingredients

· **Chemical characterization:**

**CAS-No. Substance name**

13472-35-0 Sodium dihydrogenphosphate dihydrate

· **EINECS-No.:** 231-449-2

· **REACH Reg. No.:** 01-2119489796-13-0000

· **INCI-Name:** Sodium Phosphate


## 4 First aid measures

· **after inhalation:** Fresh air

· **after skin contact:** Remove contaminated clothing. Wash away with water.

· **after eye contact:** Rinse out with plenty of water with the eyelid wide open.

· **after swallowing:** Drink water. If feeling unwell seek medical advice.

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## 5 Fire-fighting measures

- **Suitable extinguishing media:** All regular extinguishing media can be used. Select fire fighting measures suitable to surrounding environment.
- **Specific hazards during fire fighting:** Not combustible
- **Additional information:** Prevent fire extinguishing water from contaminating surface water, the ground water system or soil. Residues must be deposited according to local regulations.

## 6 Accidental release measures

- **Personal protective measures:** Avoid dust formation and contact with substance.
- **Environmental protective measures:** Prevent from entering into drains.
- **Methods for cleaning:** Take up dry. Disposal according to Chapter 13 of this MSDS. Clean up with water.

## 7 Handling and storage

- **Handling:** No special requirements.
- **Storage:**
- **Requirements for storage areas and containers:**  
Tightly closed. Store at a dry place. At room temperature ( +15°C to +25°C ).

## 8 Exposure controls / personal protective equipment


- **Personal protective equipment:**
- **General protective and hygiene measures:**  
The usual precautions during handling of chemicals are to observe.
- **Respiratory protection:** Dust protection mask.
- **Hand protection:** Protection gloves of rubber or latex
- **Eye protection:** Safety glasses

## 9 Physical and chemical properties

- **Form:** solid
- **Colour:** white
- **Odour:** odourless
- **Melting point / melting range:** 60 °C
- **Density:** (20 °C) 1,915 g/cm<sup>3</sup>  
Bulk density: ca. 1000 kg/cbm
- **Solubility in / Miscibility with**
- **Water:** (20 °C) 850 g/l
- **pH-range:** (1 g/l, 20 °C) 4,5

## 10 Stability and reactivity

- **Thermal decomposition / conditions to avoid:** Release of crystal water above 60 °C.

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- **Hazardous reactions:** No hazardous reactions known.
- **Hazardous decomposition products:** none

## 11 Toxicological information

- **Acute toxicity:**  
LD50 (rat, oral): 8290 mg/kg anhydrous substance.  
LD50 (rabbit, dermal): > 7940 mg/kg anhydrous substance.
- **Primary irritant effect:**  
**On Skin:** Slight irritations.
- **Additional toxicological informations:** In case of appropriate handling and usage the product does not cause harmful effects.

## 12 Ecological information

- **Aquatic toxicity:**  
Fish toxicity: LC0 *Leuciscus idus* (48 h) > 2400 mg/l anhydrous substance (OECD 203)  
Phosphates can contribute to overfertilization of waters depending on their concentration.
- **log p(O/W):** - 3,96 (calculated)
- **Water hazard class:** 1 (VwVwS): slightly hazardous for water.

## 13 Disposal considerations

- **Product:**
- **Recommendation:** Disposal according to local regulations as pharmaceutical waste.
- **Empty contaminated packaging:**
- **Recommendation:** Disposal according to the local regulations.

## 14 Transport informations


- **Land transport according to ADR:**  
Not classified as dangerous in the meaning of transport regulations.

## 15 Regulatory information

- **Labelling according to actual legislation (GHS, Globally Harmonized System of Classification and Labelling of Chemicals):**  
The product does not need to be labelled according to GHS-regulations.
- **National regulations (Germany):**
- **Water hazard class:** see chapter 12
- **Storage class TRGS 510:** 13

## 16 Other Information

The information provided in this MSDS is correct to the best of our knowledge at the date of edition.

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· **Reason for last revision:** Adjustment to regulation (EC) 1907/2006 (REACH) and GHS-labelling system.