

1. Identification of the substance/preparation and of the company/undertaking

Identification of the product:**Product code:** D3211**Name of material:** di-Potassium hydrogen phosphate trihydrate**Details of supplier:**

Company : ASIA CHEMIE (THAILAND) CO., LTD.
Address : 44/27 Moo.4 T.Huaykapi A.Muangchonburi,
Chonburi, Thailand. 20130
Telephone number : +66 3838 7988
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E-mail : asiachemie@gmail.com

Use of the substance/preparation:

In buffer solutions (chromatography)

2. Hazards identification

Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

Label elements

The product does not need to be labelled in accordance with EC directives or respective national laws.

Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

3. Composition/information on ingredients

Identification and amount of the components:

Synonyms: Secondary potassium phosphate. Potassium phosphate dibasic

CAS: 16788-57-1

Molecular weight: 228.23 g/mol

EC number: 231-834-5

Formula: $K_2HPO_4 \cdot 3H_2O$

4. First aid measures

After inhalation: Fresh air.**After skin contact:** Wash off with water.**After ingestion:** Plenty of water to drink, consult doctor if feeling unwell.**After eye contact:** Wash off with plenty of water.

5. Fire-fighting measures

Suitable extinguishing media: To suit environment.**Special risks:** Non-combustible. Formation of dangerous vapours possible in event of fire, the following may develop in event of fire: phosphorus oxides.**Special protective equipment for fire fighting:** Do not stay in dangerous zone without self-contained breathing apparatus.**Further information:** Contain escaping vapours with water. Prevent fire-fighting water from entering surface water or groundwater.

6. Accidental release measures

Person-related precautionary measures: Avoid generation of dusts; do not inhale dusts.**Environmental precautions:** Do not allow to enter sewerage system.**Procedures for cleaning / absorption:** Take up dry. Forward for disposal, clean up. Avoid generation of dusts.

7. Handling and storage

Handling: No further requirements.

Storage: Store tightly closed and dry. Storage temperature: no restrictions.

8. Exposure controls/personal protection

Exposure controls:

Occupational exposure controls: The personal protective equipment must be selected according to the working place, based on the concentration and amount of the dangerous substance. The supplier should indicate the stability of the personal protective equipment to chemical reagents.

Respiratory protection: Required when dusts are generated.

Hand protection: We suggest to use it.

Eye protection: Required

Industrial hygiene: Change contaminated clothing. Wash hands after working with substance.

9. Physical and chemical properties

General information:

Form: Solid

Colour: White

Odour: Odourless

Important health, safety and environmental information:

pH value (50 g/l H₂O, 20 °C): 9,2 - 9,4

Boiling temperature: --

Flash point: --

Explosion limits (low): --

Explosion limits (high): ---

Vapour pressure: --

Density (20 °C): --

Solubility in water: (20 °C): Freely soluble

Solubility in: ethanol (20 °C): Slightly soluble

Viscosity: --

Refractive index: --

Melting temperature: --

Ignition temperature: --

10. Stability and reactivity

Conditions to be avoided: Stable under normal temperatures and pressures.

Substances to be avoided: Strong oxidizing agents.

Hazardous decomposition products: In event of fire: see chapter 5.

11. Toxicological information

Acute toxicity:

Quantitative data on the toxicity of this product are not available.

Further information:

Hazardous properties cannot be excluded but are unlikely when the product is handled appropriately. The product should be handled with the care usual when dealing with chemicals.

12. Ecological information

Ecotoxic effects:

Fish toxicity: L.idus LC0 : ~900 mg/l /48h. (Anhydrous substance)

Further ecologic data:

phosphates: May contribute to the eutrophication of water supplies.

Do not allow to enter waters, waste water, or soil!

13. Disposal considerations

Product: There are no uniform EU Regulations for the disposal of chemicals or residues. Chemical residues generally count as special waste. The disposal of the latter is regulated in the EU member countries through corresponding laws and regulations. We recommend that you contact either the authorities in charge or approved waste disposal companies which will advise you on how to dispose of special waste.

Packaging: Disposal in compliance with official regulations. Handle contaminated packaging in the same way as the substance itself. If not officially specified differently, non-contaminated packaging may be treated like household waste or recycled.

14. Transport information

Not subject to transport regulations.

15. Regulatory information

Labelling according to EC Directives

Symbol:

R-phrases:

S-phrases:

EC-Index-No: --

16. Other information

Reason for the revision: General update.

Date: 9/1/2015

No warranty, expressed or implied for a particular purpose or otherwise is made, except the products herein discussed comply to the chemical description on the labels. Buyer assumes risks of the use, storage and handling. Producer or distributors shall not be liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, use, storage or handling of this product. The information contained herein is, to the best of our knowledge, true and accurate. However, all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. We disclaim any liability incurred in connection with the use of these data or suggestions