



# SAFETY DATA SHEET

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Revised edition no : 0

Date : 25 / 9 / 2012

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**Dipotassium hydrogenphosphate****P0573**

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

### 1.1. Product identifier

Identification of the product : Raw material  
Product code : P0573  
Trade name : Dipotassium hydrogenphosphate  
CAS number : CAS No : 007758-11-4

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Use : For professional use only.  
Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.

### 1.3. Details of the supplier of the safety data sheet

Company identification : Duchefa Biochemie B.V.  
A. Hofmanweg 71  
2031 BH Haarlem The Netherlands  
Tel: +31(0)23-5319093  
Fax: +31(0)23-5318027  
E-mail:info@duchefa.nl

### 1.4. Emergency telephone number

Emergency phone nr : See [www.who.int/ipcs/en/](http://www.who.int/ipcs/en/) for a local poison centre  
Tel: (+31)-(0)23-5319093 (local time : 9.00 to 17.00)  
National Poison Information Centre :Europe NL : +31 30 274 88 88  
(this service is only available to health professionals)

## SECTION 2 Hazards identification

### 2.1. Classification of the substance or mixture

Classification EC 67/548 or EC 1999/45

Hazard Class and Category Code Regulation EC 1272/2008 (CLP)

: Not regulated.

### 2.2. Label elements

Labelling EC 67/548 or EC 1999/45

- Symbol(s) : None.
- S Phrase(s) : S22 : Do not breathe dust.  
S24/25 : Avoid contact with skin and eyes.

Labelling Regulation EC 1272/2008 (CLP)

- Hazard pictograms code : ---
- Precautionary statements

### 2.3. Other hazards

None under normal conditions.

## SECTION 3 Composition/information on ingredients

Components : Structural formula  $K_2HPO_4$   
Molecular weight (g/mol) 174.2  
This product is not hazardous.

Substance name	Contents	CAS No	EC No	Annex No	Ref REACH	Classification
Dipotassium hydrogenphosphate :	> 98 %	7758-11-4	231-834-5	----	----	-----

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## SECTION 4 First aid measures

### 4.1. Description of first aid measures

- Inhalation : Get medical advice if you feel unwell.  
Remove victim to fresh air.
- Skin contact : Wash skin with mild soap and water.
- Eye contact : Rinse with water.
- Ingestion : Seek medical attention if ill effect develops.  
Rinse mouth.

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

- Symptoms and effects, both acute and delayed : Reduced blood pressure.  
Vomiting.  
Abdominal pain, nausea.

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

- Medical attention and special treatment needed : No data available.

## SECTION 5 Fire-fighting measures

### 5.1. Extinguishing media

- Suitable extinguishing media : Water spray.  
Carbon dioxide (CO<sub>2</sub>).  
Foam.  
Dry powder.

### 5.2. Special hazards arising from the substance or mixture

- Specific hazards : None.

### 5.3. Advice for fire-fighters

- Flammable class : Not combustible.
- Protection against fire : Wear proper protective equipment.
- Special procedures : Avoid (reject) fire-fighting water to enter environment.

## SECTION 6 Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

- General precautions : Avoid raising powdered materials into airborne dust.

### 6.2. Environmental precautions

- Environmental precautions : Prevent entry to sewers and public waters.

### 6.3. Methods and material for containment and cleaning up

- Clean up methods : Sweep up dry powder and dispose properly.

### 6.4. Reference to other sections

- Reference to other sections : No Reference

## SECTION 7 Handling and storage

### 7.1. Precautions for safe handling

- General : Minimize generation of dust. Store in dry, well-ventilated area.

### 7.2. Conditions for safe storage, including any incompatibilities

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### SECTION 7 Handling and storage (continued)

**Storage** : Store at room temperature.

#### **7.3. Specific end use(s)**

**Specific end use(s)** : For professional use only.  
Duchefa Biochemie B.V. products are only intended for in vitro laboratory research purposes.

### SECTION 8 Exposure controls/personal protection

#### **8.1. Control parameters**

No data available.

#### **8.2. Exposure controls**

- **Eye protection** : Safety glasses.
- **Skin protection** : Wear proper protective equipment.
- **Hand protection** : Wear gloves.
- **Respiratory protection** : P1 Where excessive dust may result, wear approved mask.

### SECTION 9 Physical and chemical properties

#### **9.1. Information on basic physical and chemical properties**

##### **• Appearance**

**Appearance** : Powder.

**Colour** : White.

##### **• Odour**

**Odour** : Odourless.

##### **• Odour threshold**

**Odour threshold** : Not established.

##### **• pH**

**pH value** : 8.7 - 9.3 (50 g/l)

##### **• Melting point / Freezing point**

**Melting point [°C]** : 340

##### **• Initial boiling point - boiling range**

**Boiling point [°C]** : No data available.

##### **• Flash point**

**Flash point [°C]** : No data available.

##### **• Evaporation rate**

**Evaporation rate (ether=1)** : No data available.

##### **• Flammability**

**Flammability range [vol% in air]** : No data available.

##### **• Explosion limits (lower - upper)**

**Explosion limits** : No data available.

##### **• Vapour pressure**

**Vapour pressure** : No data available.



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## SECTION 9 Physical and chemical properties (continued)

### • Vapour density

Relative vapour density (air=1) : No data available.

### • Relative density

Relative density : Not established.

Density [kg/m<sup>3</sup>] : 2.3

Bulk density : 1300 g/l

### • Solubility

Solubility in water : 150 g/ml

### • Partition coefficient : n-octanol / water

Log P octanol / water at 20°C : Not established.

### • Auto-ignition temperature

Auto-ignition temperature [°C] : No data available.

### • Thermal decomposition

Thermal decomposition [°C] : No data available.

### • Viscosity

Viscosity : No data available.

### • Explosive Properties

Explosive Properties : Not established.

### • Oxidising properties

Oxidising properties : Not established.

### 9.2. Other information

Other data : No data available.

## SECTION 10 Stability and reactivity

### 10.1. Reactivity

Reactivity : No data available.

### 10.2. Chemical stability

Stability : No data available.

### 10.3. Possibility of hazardous reactions

Hazardous properties : None.

### 10.4. Conditions to avoid

Conditions to avoid : Moisture.

### 10.5. Incompatible materials

Strong oxidizers.

### 10.6. Hazardous decomposition products

Hazardous decomposition products : None.

## SECTION 11 Toxicological information

### 11.1. Information on toxicological effects

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Rat oral LD50 [mg/kg] : &gt; 2000

**SECTION 12 Ecological information****12.1. Toxicity**

L.idus LC0 (mg/l) : &gt; 900

**12.2. Persistence - degradability**

No data available.

**12.3. Bioaccumulative potential**

No data available.

**12.4. Mobility in soil**

No data available.

**12.5. Results of PBT and vPvB assessment**

No data available.

**12.6. Other adverse effects**

No data available.

**Ecological effects information** : No data available.**SECTION 13 Disposal considerations****13.1. Waste treatment methods****General** : Dispose in a safe manner in accordance with local/national regulations.  
This product is not hazardous.**SECTION 14 Transport information****14.1. UN Number**

Not applicable.

**14.2. Proper shipping name**

Not applicable.

**14.3. Transport Hazard Classification**

Not applicable.

**14.4. Packing group**

Not applicable.

**14.5. Environmental hazards**

Not applicable.

**14.6. Special precautions for user**

Not applicable.

**14.7. Bulk transport - annex II Marpol 73/78 - IBC**

Not applicable.



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## SECTION 15 Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Ensure all national/local regulations are observed.

### 15.2. Chemical Safety Assessment

Not established.

## SECTION 16 Other information

### **Further information**

: The information contained herein is based on the present state of our knowledge. It characterizes the product with regard to the appropriate safety precautions. It does not represent a guarantee of the properties of the product.

### **Revision**

: Complete SDS revision

The contents and format of this SDS are in accordance with REGULATION (EC) No 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL

End of document