

**1 Identification of the substance/preparation and of the company/undertaking****· Product details****· Trade name:** di-POTASSIUM HYDROGEN PHOSPHATE TRIHYDRATE  $\geq 99\%$ , p.a.**· Article number:** 6878**· Application of the substance / the preparation** Laboratory chemical**· Manufacturer/Supplier:**

Carl Roth GmbH + Co.KG

Schoemperlenstraße 3-5

76185 Karlsruhe

Telefon: +49/(0)721 5606-0

Telefax: +49/(0)721 5606-149

**· Further information obtainable from:** Product safety department.**· Information in case of emergency:**

Giftinformation München

Telefon: +49/(0)89 19240

Telefax: +49/(0)089 41402467

**2 Composition/information on ingredients****· Chemical characterization:****· CAS No. Description**

16788-57-1 di-Potassium hydrogen phosphate trihydrate

**· Identification number(s)****· EINECS Number:** 231-834-5**3 Hazards identification****· Hazard description:** No hazardous produkt as specified in Directive 67/548/EEC.**· Information concerning particular hazards for human and environment:**

No hazardous produkt as specified in Directive 67/548/EEC.

**· Additional information:**

All chemicals are potentially dangerous. They should only be handled by specially trained personnel.

**4 First-aid measures****· General information:**

Immediately remove any clothing soiled by the product.

General advice: No induce of vomiting by layman.

**· After inhalation:** Supply fresh air and to be sure call for a doctor.**· After skin contact:**

Immediately rinse with water.

If skin irritation continues, consult a doctor.

**· After eye contact:** Rinse opened eye for 10 minutes under running water. If symptoms persist, consult a doctor.**· After swallowing:**

If symptoms persist consult doctor.

Rinse out mouth and then drink water.

**5 Fire-fighting measures****· Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.**· Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**6 Accidental release measures****· Person-related safety precautions:** Avoid formation of dust.

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## Material Safety Data Sheet

According to 91/155 EEC

Printing date 19.08.2004

Reviewed on 19.08.2004

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- **Measures for environmental protection:** Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:** Pick up mechanically.

### 7 Handling and storage

- **Handling:**
- **Information for safe handling:** Handling corresponding to laboratory safety guidelines.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

### 8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Ingredients with limit values that require monitoring at the workplace:** Not required.
- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment:**
- **General protective and hygienic measures:**  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing.  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes and skin.
- **Respiratory protection:** when dusts are generated
- **Protection of hands:**



Protective gloves

Due to missing tests no recommendation to the glove material can be given for the product.

- **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:**



Tightly sealed goggles

- **Body protection:** Protective work clothing

### 9 Physical and chemical properties

#### · General Information

<b>Form:</b>	Solid
<b>Colour:</b>	White
<b>Odour:</b>	Odourless

#### · Change in condition

**Melting point/Melting range:** Undetermined.  
**Boiling point/Boiling range:** Undetermined.

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- **Flash point:** Not applicable.
- **Flammability (solid, gaseous):** Product is not flammable.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Density:** Not determined.
- **Bulk density at 20°C:** ~ 800 kg/m<sup>3</sup>
- **Solubility in / Miscibility with water:** Easily soluble.
- **pH-value (50 g/l) at 20°C:** ~ 9.3

### 10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** heating
- **Materials to be avoided:** strong oxidizing agent
- **Dangerous reactions** No information available.
- **Dangerous decomposition products:** No information available.

### 11 Toxicological information

- **Acute toxicity:**
- **LD/LC50 values relevant for classification:** Quantitative data on the toxicity of this product are not available.
- **Primary irritant effect:**
- **on the skin:** No irritating effect.
- **on the eye:** No irritating effect.
- **after inhalation:** No irritating effect.
- **Sensitization:** No sensitizing effects known.

### 12 Ecological information

- **Ecotoxicological effects:**
- **Acquatic toxicity:** LC0: 900 mg/l/48h *Leuciscus idus* (anhydrous substance)
- **Remark:**  
Fertilizing effect possible.  
Do not allow to enter waters, waste water, or soil!
- **General notes:** Generally not hazardous for water

### 13 Disposal considerations

- **Product:**
- **Recommendation**  
The disposal is regionally differently regulated, therefore the kind of disposal is to be inquired at the responsible authorities.
- **Uncleaned packaging:**
- **Recommendation:** Disposal according to official regulations.

### 14 Transport information

- **Land transport ADR/RID (cross-border)**
- **ADR/RID class:** -
- **Remarks:** Not subject to transport regulations.

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- **Maritime transport IMDG:**
- **IMDG Class:** -
- **Air transport ICAO-TI and IATA-DGR:**
- **ICAO/IATA Class:** -

## 15 Regulatory information

- **Labelling according to EU guidelines:**  
The substance is not subject to classification according to EU lists and other sources of literature known to us.
- **National regulations:**
- **Information about limitation of use:** In dealing with chemicals the national laws must be observed.
- **Waterhazard class:** Generally not hazardous for water.

## 16 Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- **Department issuing MSDS:** Environment protection department.
- **Contact:** Herr Hahn