

**1. Identification**

Product Code 1110969

Product Name **POTASSIUM DIHYDROGEN ORTHOPHOSPHATE pure**

Molecular Formula  **$\text{KH}_2\text{PO}_4$  =136.09**

CAS Number 7778-77-0

Supplier: **CAMLAB LIMITED**



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**2. Composition**

No hazardous components

**3. Hazards Identification**

Not considered harmful

**4. First Aid Measures**

Eyes Irrigate thoroughly with plenty of water for at least 10 minutes, holding the eye open. If discomfort persists OBTAIN MEDICAL ATTENTION.

Skin Wash off skin thoroughly with water.

Inhalation Remove from exposure.

Ingestion Wash out the patients mouth thoroughly with water. In severe cases or if exposure has been great, OBTAIN MEDICAL ATTENTION.

**5. Fire Fighting Measures**

Hazards Evacuate area immediately. Keep up wind. Avoid exposure to toxic vapours and fumes. Fire-fighters should wear protective clothing and breathing apparatus. May evolve toxic fumes if involved in a fire.

Extinguishing Media Consider what other flammable materials are present and act accordingly.

Unsuitable Media Nothing specified.

**6. Accidental Release Measures**

Personal Protection Presents no major hazards.

Enviromental Presents no major environmental hazard.

Major Spillage Shovel/sweep up into container for removal Wash area down with copious amounts of water.

## 6. Accidental Release Measures (continued)

Minor Spillage            Wash area down with copious amounts of water.

## 7. Storage & Handling

Handling Precautions    Avoid contact with skin and eyes. Do not breath dust. Do not allow to contaminate clothing.

Ensure Local Exhaust Ventilation maintains dust concentrations below the recommended limits.

Storage Conditions      Well ventilated, cool, dry storage .

## 8.1 Workplace Exposure Limits

No prescribed exposure limits available

## 8.2 Personal Protection

Respiratory              If process creates significant amounts of dust use L.E.V. or wear suitable dust mask.

Hands                    Wear gloves.

Eyes                     Use chemical splash proof glasses or goggles.

Skin                      Avoid contact with skin. If skin contact or contamination of clothing is likely, protective clothing must be worn.

## 9. Physical & Chemical Properties

Appearance	White powder.
Odour	No specific odour.
pH	4 @ 20 °C
Boiling point	Not available
Melting point	252.0 °C
Flash point	Not available
Upper Flammable Limit	Not available
Lower Flammable Limit	Not available
Auto Ignition	Not available
Explosive properties	No.
Oxidising Properties	No.
Vapour Pressure	Not available
Relative Density	2.3400 °C
Water Solubility	22%

## 10. Stability & Reactivity

Chemical Stability      Stable under normal conditions

Conditions to Avoid    No specific conditions.

Materials to Avoid      No specific conditions.

Hazardous                May produce hazardous fumes if involved in a fire.

Decomposition Products

## 11. Toxicological Information

Eyes                      Contact with the solid or dust may be irritating to the eyes.

Skin                        Presents no significant hazard by skin contact.

LD50 Skin                Not available

Ingest                    Ingestion of large amounts may cause diarrhoea, nausea, vomiting, hyperpnoea and convulsions.

LD50 Ingest              Oral rat 6800 mg/Kg

Inhalation                Presents no significant health hazard by inhalation.

## 11. Toxicological Information (continued)

Carcinogenicity	Not considered to be a carcinogen.
Mutagenicity	Not considered to be a mutagen.
Reproductive Effects	None identified.

## 12. Ecological

Small amounts present no specific environmental hazard.

## 13. Disposal Considerations

Disposal Methods	Do not dispose of as domestic waste. Dispose of to a licensed land fill site.
Contaminated Packaging	Wash out containers with water. Use a licensed waste disposer.

## 14. Transport Information

Proper Shipping Name	Non-restricted
UN Number	Non-restricted
UN Classification	None
Subsidiary Risk	None
Flash Point	Not available
Packing Group	None
Transport Category	None
Marine pollutant	No
ADR Hazard ID	Non-restricted

## 15. Regulatory Information

Labelling Classification	None
Label Symbols	None
Risk & safety Phrases	None
EEC Number	231-913-4

## 16. Other Information

Document Information This document has been prepared in accordance with directive 88/379/EEC.

The information contained in this document only covers the hazards presented by this material, it DOES NOT constitute a workplace risk assessment.

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