

Material Safety Data Sheet

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Infosafe No. 1CH5B Issue Date: May 2002 MODIFIED by CHEMSUPP
Product Name: POTASSIUM DIHYDROGEN ORTHOPHOSPHATE Anhydrous
Not Hazardous according to criteria of Worksafe Australia

COMPANY DETAILS

Company Name CHEM-SUPPLY Pty Ltd (ABN 19008264211)
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Other Information Chem-Supply Pty Ltd does not warrant that this product is suitable for any use or purpose. The user must ascertain the suitability of the product before use or application intended purpose. Preliminary testing of the product before use or application is recommended. Any reliance or purported reliance upon Chem-Supply Pty Ltd with respect to any skill or judgement or advice in relation to the suitability of this product of any purpose is disclaimed. Except to the extent prohibited at law, any condition implied by any statute as to the merchantable quality of this product or fitness for any purpose is hereby excluded. This product is not sold by description. Where the provisions of Part V, Division 2 of the Trade Practices Act apply, the liability of Chem-Supply Pty Ltd is limited to the replacement of supply of equivalent goods or payment of the cost of replacing the goods or acquiring equivalent goods.

IDENTIFICATION

Product Name POTASSIUM DIHYDROGEN ORTHOPHOSPHATE Anhydrous
Other Names

<u>Name</u>	<u>Mancode</u>
Monopotassium dihydrogen phosphate	
Potassium acid phosphate	
Potassium phosphate, monobasic	
Sorensen's potassium phosphate	
Potassium dihydrogen phosphate	
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	PA009
Anhydrous AR	
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	PL009
Anhydrous LR	
POTASSIUM DIHYDROGEN ORTHOPHOSPHATE	PP009
Anhydrous FG	
mono-POTASSIUM PHOSPHATE TG	PT009

Poisons Schedule Not Scheduled
Product Use Laboratory reagent, buffer and sequestrant, yeast foods, baking powder and nutritional supplement in food.

Physical Data

Appearance Colourless crystals or white powder.
Melting Point 253 °C
Specific Gravity 2.338
Solubility in Water 222 g/L @ 20 °C

Other Properties

Corrosiveness May be mildly corrosive to steel and aluminium.
pH Value pH of 5% solution @ 25 °C: 4.1-4.5
Solubility in Organic Solvents Insoluble in alcohol.

Odour Odourless.
Form Solid
Stability Stable. Slightly hygroscopic.
Haz. Polymerization Will not occur.

Materials to Avoid Strong bases.

Formula KH₂PO₄
Molecular Weight 136.09

Ingredients

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Potassium dihydrogen orthophosphate	7778-77-0	100%

HEALTH HAZARD INFORMATION

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Health Effects

Acute - Swallowed Ingestion of large amounts may cause diarrhea, nausea, vomiting and cramps. In addition, symptoms of potassium poisoning may occur, including slow heartbeat, accelerated breathing, muscle weakness and, in severe cases, paralysis.

Acute - Eye May cause mild irritation.

Acute - Inhaled Dust and mist may be irritating to nose and throat, causing coughing and choking.

Chronic Repeated or prolonged skin contact may cause dermatitis.

First Aid

Swallowed Rinse mouth thoroughly with water immediately. Give water to drink. DO NOT induce vomiting. If vomiting occurs give further water to achieve effective dilution. Seek medical attention.

Eye Irrigate with copious quantity of water for 15 minutes. Seek medical assistance if symptoms persist.

Skin Wash affected areas with copious quantities of water. Seek medical advice if effects persist.

Inhaled Remove victim to fresh air. Seek medical advice if effects persist.

First Aid Facilities Maintain eyewash fountain in work area.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

PRECAUTIONS FOR USE

Other Exposure TWA: 10 mg/m³ - inspirable dust - Worksafe Aust. Info.

Eng. Controls Maintain concentration below recommended exposure limit. Local exhaust ventilation system may be required.

Personal Protection

Respirator Type Dust/mist respirator if conditions indicate.
(AS 1716)

Eye Protection Safety glasses.

Clothing Wear suitable protective clothing and gloves to prevent skin contact.

Flammability

Fire Hazards Non combustible material.

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Store in a cool, dry place. Keep containers securely sealed and protected against physical damage.

Handling Avoid generating and inhaling dust.

Spills and Disposal

Spills & Disposal Do NOT touch or walk through this product. Stop leak if safe to do so. Prevent entry into waterways, drains, confined areas. Prevent dust cloud. Use clean non-sparking tools to collect material and place it into loosely-covered plastic containers for later disposal.

Fire/Explosion Hazard

Fire/Explos. Hazard Material does not burn. Fire or heat will produce irritating, poisonous and/or corrosive gases. Runoff may pollute waterways.

Hazardous Phosphorous oxides.

Combustion

Products

Fire Fighting Use measures suitable for extinguishing surrounding fire.

Procedures

Fire Fighting Use suitable protective equipment for surrounding fire.

Precautions

Hazardous Reaction May react violently with strong bases.

OTHER INFORMATION

References Australian Health Ministers' Advisory Council, 'Standard for the Uniform Scheduling of Drugs and Poisons No.16', AGPS, Canberra 2001.
Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 12th. Ed.', Rev.,

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Van Nostrand Reinhold, NY, 1993.

National Road Transport Commission, 'Australian Dangerous Goods Code 6th. Ed.', AGPS, Canberra, 1998.

South Australia Government, 'Approved Code of Practice for the Labelling of Workplace Substances', 1995.

Standards Australia, 'Dangerous Goods - Initial Emergency Response Guide', 1997.

Worksafe Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]', AGPS, Canberra 1999.

Worksafe Australia, 'List of Designated Hazardous Substances [NOHSC:10005(1999)]', AGPS, Canberra 1999.

Worksafe Australia, 'National Code of Practice for the Labelling of Workplace Substances [NOHSC:2012(1994)]', AGPS, Canberra 1994.

Worksafe Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995)]', AusInfo Department of Finance and Administration, Canberra 1995.

User Codes

User Code

CAS No

7778-77-0

CONTACT POINT

Contact

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