



Infosafe No™	1CH5E	Issue Date : June 2019	RE-ISSUED by CHEMSUPP
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Product Name : **POTASSIUM HYDROGEN PHTHALATE**

Not classified as hazardous

**1. Identification**

**GHS Product Identifier** POTASSIUM HYDROGEN PHTHALATE

**Company Name** CHEM-SUPPLY PTY LTD (ABN 19 008 264 211)

**Address** 38 - 50 Bedford Street GILLMAN  
SA 5013 Australia

**Telephone/Fax Number** Tel: (08) 8440-2000  
Fax: (08) 8440-2001

**Emergency phone number** CHEMCALL 1800 127 406 (Australia) / +64-4-917-9888 (International)

**Recommended use of the chemical and restrictions on use** Buffering agent, alkalimetric standard and laboratory reagent.

**Other Names****Name****Product Code**

POTASSIUM HYDROGEN PHTHALATE AR  
Phthalic acid monopotassium salt, Phthalic acid, potassium salt,  
Potassium biphthalate, Potassium acid phthalate,  
1,2-Benzenedicarboxylic acid monopotassium salt

PA023

**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.

**2. Hazard Identification**

**GHS classification of the substance/mixture** Classified as non-Hazardous according to the Globally Harmonised System of classification and labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia.  
Not classified as dangerous goods according to the Australian Dangerous Goods Code (ADG).

**3. Composition/information on ingredients****Chemical Characterization** Solid**Ingredients**

<u><b>Name</b></u>	<u><b>CAS</b></u>	<u><b>Proportion</b></u>	<u><b>Hazard Symbol</b></u>	<u><b>Risk Phrase</b></u>
Potassium hydrogen phthalate	877-24-7	100 %		

**4. First-aid measures**

**Inhalation** If inhaled, remove from contaminated area to fresh air immediately. Apply artificial respiration if not breathing. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

**Ingestion** Rinse mouth thoroughly with water immediately, repeat until all traces of product have been removed. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

**Skin** Remove contaminated clothing and wash affected skin with soap and water. Seek medical advice if effects persist.

**Eye contact** If contact with the eye(s) occurs, wash with copious amounts of water for approximately 15 minutes holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If persistent irritation occurs, obtain medical attention.

**First Aid Facilities** Maintain eyewash fountain and safety shower in work area.

**Advice to Doctor** Treat symptomatically based on judgement of doctor and individual reactions of the patient.

**Other Information** For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor.

**5. Fire-fighting measures**

**Suitable extinguishing media** No limitations to the type of extinguishing media.



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<b>Hazards from Combustion Products</b>	May liberate toxic fumes in fire (carbon oxides).
<b>Specific Methods</b>	Small fire: Use dry chemical, CO <sub>2</sub> , water spray or foam. Large fire: Use water spray, fog or foam.
<b>Specific hazards arising from the chemical</b>	May burn but do not ignite readily. Containers may explode when heated. Runoff may pollute waterways. Fire may produce irritating, poisonous and/or corrosive gases. Fine dust dispersed in the air in sufficient quantities and in the presence of an ignition source may produce a dust explosion.
<b>Precautions in connection with Fire</b>	Wear SCBA and structural firefighter's uniform.

**6. Accidental release measures**

<b>Personal Precautions</b>	Avoid substance contact. Avoid generation of dusts: do not inhale dusts. Ensure supply of fresh air in enclosed rooms.
<b>Personal Protection</b>	Wear protective clothing specified for normal operations (see Section 8)
<b>Clean-up Methods - Small Spillages</b>	Sweep up (avoid generating dust) and remove to a suitable, clearly labelled container for disposal in accordance with local regulations.

**7. Handling and storage**

<b>Precautions for Safe Handling</b>	Avoid generation or accumulation of dusts. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wash hands and face thoroughly after working with material. Use in well ventilated areas away from all ignition sources. In case of insufficient ventilation, wear suitable respiratory equipment. Avoid generating and inhaling dust.
<b>Conditions for safe storage, including any incompatibilities</b>	Store in a cool, dry place. Store in well ventilated area. Store away from sources of heat or ignition. Keep containers closed at all times. Store away from oxidizing agents.

**8. Exposure controls/personal protection**

<b>Other Exposure Information</b>	A time weighted average (TWA) concentration for an 8 hour day, and 5 day week has not been established by Safe Work Australia for this product. There is a blanket limit of 10 mg/m <sup>3</sup> for dusts or mists when limits have not otherwise been established.
<b>Appropriate engineering controls</b>	In industrial situations maintain the concentrations values below the TWA. This may be achieved by process modification, use of local exhaust ventilation, capturing substances at the source, or other methods.
<b>Respiratory Protection</b>	Where ventilation is not adequate, respiratory protection may be required. Avoid breathing dust, vapours or mists. Respiratory protection should comply with AS 1716 - Respiratory Protective Devices and be selected in accordance with AS 1715 - Selection, Use and Maintenance of Respiratory Protective Devices. Filter capacity and respirator type depends on exposure levels. In event of emergency or planned entry into unknown concentrations a positive pressure, full-facepiece SCBA should be used. If respiratory protection is required, institute a complete respiratory protection program including selection, fit testing, training, maintenance and inspection.
<b>Eye Protection</b>	The use of a face shield, chemical goggles or safety glasses with side shield protection as appropriate. Must comply with Australian Standards AS 1337 and be selected and used in accordance with AS 1336.
<b>Hand Protection</b>	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: Rubber or plastic gloves.
<b>Personal Protective Equipment</b>	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
<b>Footwear</b>	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
<b>Body Protection</b>	Clean clothing or protective clothing should be worn, preferably with an apron. Clothing for protection against chemicals should comply with AS 3765 Clothing for Protection Against Hazardous Chemicals.
<b>Hygiene Measures</b>	Always wash hands before smoking, eating or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.

**9. Physical and chemical properties**

<b>Form</b>	Solid
<b>Appearance</b>	Colourless or white crystals.



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<b>Odour</b>	Odourless.
<b>Melting Point</b>	295-300 °C
<b>Solubility in Water</b>	Soluble (80 g/L @ 20 °C)
<b>Specific Gravity</b>	1.636
<b>pH</b>	~4.0 (50 g/l, H <sub>2</sub> O, 20 °C)
<b>Partition Coefficient: n-octanol/water</b>	Log P (o/w): 1.415
<b>Flammability</b>	Combustible.
<b>Molecular Weight</b>	204.22

### 10. Stability and reactivity

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Heat, flames, ignition sources and incompatibles.
<b>Incompatible Materials</b>	Nitric acid and strong oxidising agents.
<b>Hazardous Decomposition Products</b>	Oxides of carbon.
<b>Hazardous Polymerization</b>	Will not occur.

### 11. Toxicological Information

<b>Acute Toxicity - Oral</b>	LD50 (rat): >3200 mg/kg
<b>Ingestion</b>	May be harmful if swallowed. Ingestion may cause gastrointestinal tract irritation with symptoms including of nausea, vomiting and diarrhea. Ingestion of large doses may cause irritation to mucous membranes and may produce nausea, vomiting and abnormal sensations in hands and feet.
<b>Inhalation</b>	May be harmful if inhaled. Inhalation of dust may cause respiratory tract irritation. Exposure may result in asthmatic symptoms may include coughing, sore throat, wheezing, nausea and vomiting.
<b>Skin</b>	May be harmful if absorbed through skin. May cause skin irritation, redness and pain.
<b>Eye</b>	Dust may cause eye irritation, redness and pain.
<b>Carcinogenicity</b>	No evidence of carcinogenic properties.
<b>Mutagenicity</b>	No evidence of mutagenic properties.

### 12. Ecological information

<b>Ecotoxicity</b>	Quantitative data on the ecological effect of this product are not available.
<b>Bioaccumulative Potential</b>	No appreciable bioaccumulation is to be expected (log P(o/w) 1-3). Distribution: log P (o/w): 1.415
<b>Other Information</b>	Do not allow to enter waters, waste water, or soil!

### 13. Disposal considerations

<b>Disposal Considerations</b>	Whatever cannot be saved for recovery or recycling should be disposed of according to relevant local, state and federal government regulations.
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### 14. Transport information

<b>Transport Information</b>	Not classified as a Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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### 15. Regulatory information

<b>Regulatory Information</b>	Listed in the Australian Inventory of Chemical Substances (AICS). Not listed under WHS Regulation 2011, Schedule 10 - Prohibited carcinogens, restricted carcinogens and restricted hazardous chemicals.
<b>Poisons Schedule</b>	Not Scheduled

### 16. Other Information

<b>Literature References</b>	'Standard for the Uniform Scheduling of Medicines and Poisons .', Commonwealth of Australia. Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons,
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# Safety Data Sheet

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 National Road Transport Commission, 'Australian Code for the Transport of Dangerous Goods by Road and Rail 7th. Ed.', 2007.  
 Safe Work Australia, 'National Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals', 2011.  
 Standards Australia, 'SAA/SNZ HB 76:2010 Dangerous Goods - Initial Emergency Response Guide', Standards Australia/Standards New Zealand, 2010.  
 Safe Work Australia, 'Approved Criteria for Classifying Hazardous Substances [NOHSC:1008 (2004)]'.  
 Safe Work Australia, 'Hazardous Chemical Information System, 2005'.  
 Safe Work Australia, 'National Code of Practice for the Labelling of Safe Work Hazardous Substances (2011)'.  
 Safe Work Australia, 'National Exposure Standards for Atmospheric Contaminants in the Occupational Environment [NOHSC:1003(1995) 3rd Edition]'.  
 Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

**Contact  
Person/Point**

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**Empirical Formula &  
Structural Formula**

C8 H5 K O4  
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