



Infosafe No™	1CH58	Issue Date : November 2015	RE-ISSUED by CHEMSUPP
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Product Name : **POTASSIUM CHLORIDE**

Not classified as hazardous

1. Identification

GHS Product Identifier	POTASSIUM CHLORIDE		
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		
Recommended use of the chemical and restrictions on use	Laboratory reagent, spectroscopy, photography, buffer solutions, pharmaceutical, preparations, electrolyte for batteries, treatment of prophylaxis and hypokalemia, food additive, salt substitute, plant nutrient, fertilizer, source of potassium salts and laboratory reagent.		
Other Names	Name	Product Code	
	POTASSIUM CHLORIDE FCC	PP054	
	POTASSIUM CHLORIDE LR	PL054	
	POTASSIUM CHLORIDE AR	PA054	
Other Information	EMERGENCY CONTACT NUMBER: +61 08 8440 2000 Business hours: 8:30am to 5:00pm, Monday to Friday.		

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.
Pictogram (s)	No symbol

3. Composition/information on ingredients

Chemical	Solid			
Characterization Information on Composition	Occurs naturally as sylvite.			
Ingredients	Name	CAS	Proportion	Hazard Symbol Risk Phrase
	Potassium chloride	7447-40-7	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. Give plenty of water to drink. Do not induce vomiting. If rapid recovery does not occur, obtain medical attention
Skin	Remove contaminated clothing and wash affected skin with soap and water. If rash or soreness develops, seek medical advice.
Eye contact	Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical advice if effects persist.
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. Consider the effects of potassium salts on the heart.
Other Information	For advice, contact a Poisons Information Centre (Phone eg Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

5. Fire-fighting measures



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Hazards from Combustion Products	May liberate toxic fumes in fire (hydrogen chloride).
Specific Methods	Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media. Small fire: Use dry chemical, CO ₂ , water spray or foam. Large fire: Use water spray, fog or foam.
Precautions in connection with Fire	Wear SCBA and structural firefighter's uniform.

6. Accidental release measures

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

7. Handling and storage

Precautions for Safe Handling	Avoid substance contact and generation and inhalation of dust.
Conditions for safe storage, including any incompatibilities	Store at room temperature (15 - 25 °C). Keep container tightly closed and dry, away from direct sunlight.

8. Exposure controls/personal protection

Other Exposure Information	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 ³ for dusts when limits have not otherwise been established.
Appropriate engineering controls	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.
Respiratory Protection	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.
Eye Protection	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.
Hand Protection	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation: NR latex, vinyl and neoprene. Plastic or rubber gloves. Nitrile rubber gloves
Personal Protective Equipment	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Footwear	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Body Protection	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.
Hygiene Measures	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

Form	Solid
Appearance	Colourless or white crystals.
Odour	Odourless
Melting Point	772 °C
Boiling Point	Sublimes at 1500 °C.



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Solubility in Water	Very soluble in water (340 g/L @ 20 °C). Hydrochloric acid, sodium or magnesium chlorides diminish its solubility in water.
Solubility in Organic Solvents	Slightly soluble in alcohol. Insoluble in ether and acetone.
Specific Gravity	1.98
pH	5.5 - 8.0 (50 g/l, H ₂ O, 25 °C)
Vapour Pressure	Low
Flammability	Non combustible material.
Molecular Weight	74.55

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Incompatible Materials	Strong oxidizing agents, strong acids, sulfuric acid, potassium permanganate, bromine trifluoride.
Hazardous Decomposition Products	Hydrochloric acid, hydrogen chloride gas, potassium oxides.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): 2600 mg/kg.
Ingestion	After swallowing of large amounts may cause nausea, vomiting, diarrhoea, and abdominal cramps, which may lead to weakness, mental confusion, hypotension, paralysis, and possible circulatory disturbances including cardiac arrhythmias, heart block, and cardiac arrest. In severe cases, ingestion may be fatal.
Inhalation	May be harmful if inhaled. Inhalation of dust in high concentrations may cause respiratory tract irritation.
Skin	May cause skin irritation. May be harmful if absorbed through the skin.
Eye	May be an eye irritant.
Carcinogenicity	No evidence of carcinogenic properties.
Chronic Effects	Due to effect of potassium salts on the heart, accidental ingestion of large amounts by persons suffering from a heart condition should be considered dangerous and immediate medical assistance sought.
Mutagenicity	Not expected to be mutagenic.

12. Ecological information

Persistence and degradability	Methods for the determination of biodegradability are not applicable to inorganic substances.
Acute Toxicity - Fish	Gambusia affinis LC50: 920 mg/l/96 h.
Acute Toxicity - Daphnia	Daphnia magna EC50: 825 mg/l/48 h.

13. Disposal considerations

Disposal Considerations	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

Transport Information	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

Regulatory Information	Listed in the Australian Inventory of Chemical Substances (AICS).
Poisons Schedule	Not Scheduled

16. Other Information



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Safety Data Sheet

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**Literature
References**

'Standard for the Uniform Scheduling of Medicines and Poisons No. 15', Commonwealth of Australia, November 2016.
 Lewis, Richard J. Sr. 'Hawley's Condensed Chemical Dictionary 13th. Ed.', Rev., John Wiley and Sons, Inc., NY, 1997.
 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 Substances 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]'.

**Contact
Person/Point**

Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**
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