



Infosafe No™	1CH56	Issue Date : May 2015	RE-ISSUED by CHEMSUPP
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Product Name : **POTASSIUM CARBONATE Anhydrous**

Classified as hazardous

1. Identification

GHS Product Identifier POTASSIUM CARBONATE Anhydrous

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 Special glasses (optical and colour TV tubes), in the ceramics industry, potassium silicate, inorganic salts, cosmetics, dehydrating agent, pigments, printing inks, soft soaps, raw wool washing, general purpose food additive, analytical chemistry and laboratory reagent.

Other Names	Name	Product Code
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POTASSIUM CARBONATE Anhydrous LR	PL021
POTASSIUM CARBONATE Anhydrous AR	PA021
Potassium carbonate	

Other Information Potash, Carbonic acid, dipotassium salt
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 Eye Damage/Irritation: Category 2A
Skin Corrosion/Irritation: Category 2
Specific target organ toxicity - Single Exposure Category 3

Signal Word (s) WARNING

Hazard Statement (s) H315 Causes skin irritation.
H319 Causes serious eye irritation.
H335 May cause respiratory irritation.

Pictogram (s) Exclamation mark



Precautionary statement – Prevention P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P264 Wash thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statement – Response P302+P352 IF ON SKIN: Wash with plenty of soap and water.
P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P312 Call a POISON CENTER or doctor/physician if you feel unwell.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P337+P313 If eye irritation persists: Get medical advice/attention.

Precautionary statement – Storage P403+P233 Store in a well-ventilated place. Keep container tightly closed.
P405 Store locked up.



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3. Composition/information on ingredients

Chemical Solid

Characterization**Ingredients**

<u>Name</u>	<u>CAS</u>	<u>Proportion</u>	<u>Hazard Symbol</u>	<u>Risk Phrase</u>
Potassium carbonate	584-08-7	100 %	Xi	R36/38

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. DO NOT INDUCE VOMITING. Seek medical advice if effects persist.

Skin Wash affected areas with copious quantities of water immediately. Remove contaminated clothing and wash before re-use. If irritation occurs seek medical advice.

Eye contact Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek medical attention.

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

Advice to Doctor 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

Specific Methods Use extinguishing media most appropriate for the surrounding fire. No limitations to the type of extinguishing media.

Specific hazards arising from the chemical Material does not burn. Fire or heat will produce irritating, poisonous and/or corrosive gases. Runoff may pollute waterways.

Precautions in connection with Fire Use suitable protective equipment for surrounding fire.

6. Accidental release measures

Personal Precautions Evacuate the area of all non-essential personnel. Avoid inhalation, contact with skin, eyes and clothing. 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.

Clean-up Methods - Large Spillages Seek expert advice on handling and disposal.

Environmental Precautions Prevent from entering into drains, ditches, rivers or the sea.

7. Handling and storage

Precautions for Safe Handling 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.

Conditions for safe storage, including any incompatibilities Store in a cool, dry place. Keep containers closed at all times. Store at room temperature (15 - 25 °C). Keep 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/m³ 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



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Eye Protection	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.
Hand 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.
Personal Protective Equipment	Hand protection should comply with AS 2161, Occupational protective gloves - Selection, use and maintenance. Recommendation:
Footwear	Final choice of personal protective equipment will depend on individual circumstances and/or according to risk assessments undertaken.
Body Protection	Safety boots in industrial situations is advisory, foot protection should comply with AS 2210, Occupational protective footwear - Guide to selection, care and use.
Hygiene Measures	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. 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	White, deliquescent, granular, translucent powder.
Odour	Odourless.
Melting Point	891 °C
Boiling Point	Decomposes.
Solubility in Water	Very soluble (138 g/L @ 20 °C)
Solubility in Organic Solvents	Insoluble in alcohol.
Specific Gravity	2.428 @ 19 °C
pH	~11.5 - 12.5 (50 g/l, H ₂ O, 20 °C)
Flammability	Non combustible material.
Molecular Weight	138.21
Other Information	Alkaline reaction.

10. Stability and reactivity

Chemical Stability	Stable under normal use conditons.
Conditions to Avoid	Moisture. Incompatibles.
Incompatible Materials	The constituents may react with aluminium, alkaline earth metals in powder form, non-metals (heat), carbon/heat, fluorine, alkali metals, non-metallic oxides (heat), organic nitro compounds, halogenated hydrocarbons, acids, conc. sulfuric acid, strong oxidizing agents.
Hazardous Decomposition Products	May liberate toxic fumes including carbon monoxide, carbon dioxide.
Hazardous Polymerization	Will not occur.

11. Toxicological Information

Acute Toxicity - Oral	LD50 (rat): >2000 mg/kg (IUCLID).
Ingestion	Harmful if swallowed. Symptoms may include mucosal irritations in the mouth, pharynx, oesophagus and gastrointestinal; systemic effect: nausea, vomiting and diarrhea. After absorption of large quantities: changes in the blood picture, spasms and cardiac dysrhythmia.
Inhalation	May be harmful if inhaled. Irritation of the soft mucous membranes and respiratory tract, resulting in possible sensitivity reactions and nasal ulceration; coughing and dyspnoea.
Skin	Causes severe skin irritation. In aqueous solution it is a strong caustic and as such may have a corrosive effect on the skin.
Eye	Causes severe irritation to the eyes with symptoms including of redness, pain and possible corneal damage.
Carcinogenicity	No evidence of carcinogenic properties.



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Chronic Effects Repeated or prolonged exposure to this material may cause dermatitis.**Mutagenicity** No evidence of mutagenic properties.**12. Ecological information****Ecotoxicity** Quantitative data on the ecological effect of this product are not available.

Biological effects: Harmful effect due to pH shift.

Persistence and degradability Methods for the determination of biodegradability are not applicable to inorganic substances.**Other Information** Do not allow to enter waters, waste water, or soil!**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.**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.**15. Regulatory information****Regulatory Information** Listed in the Australian Inventory of Chemical Substances (AICS).**Poisons Schedule** S5**16. Other Information**

Literature References

'Standard for the Uniform Scheduling of Medicines and Poisons No. 4', Commonwealth of Australia, June 2013.

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)]'.

Contact**Person/Point**Paul McCarthy Ph. (08) 8440 2000 **DISCLAIMER STATEMENT:**

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Empirical Formula & Structural Formula K₂CO₃

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