



Infosafe No™	1CH56	Issue Date : May 2020	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

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

**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**

<u>Name</u>	<u>Product Code</u>
POTASSIUM CARBONATE Anhydrous LR	PL021
POTASSIUM CARBONATE Anhydrous AR	PA021
Potassium carbonate	
Potash, Carbonic acid, dipotassium salt	

**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** Eye Damage/Irritation: Category 1  
Specific target organ toxicity - Single Exposure Category 3

**Signal Word (s)** DANGER

**Hazard Statement (s)** H318 Causes serious eye damage.  
H335 May cause respiratory irritation.

**Pictogram (s)** Corrosion, Exclamation mark



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

**Precautionary statement – Response** P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.  
P312 Call a POISON CENTER or doctor/physician if you feel unwell.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P310 Immediately call a POISON CENTER or doctor/physician.

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

**Precautionary statement – Disposal** P405 Store locked up.  
P501 Dispose of contents/container to an approved waste disposal plant.



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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 %		

**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** No exposure standards have been established for this product by Safe Work Australia, however, the TWA exposure standard for dusts/mists not otherwise specified is 10 mg/m<sup>3</sup>. All atmospheric contamination should be kept to as low a level as is workable.

**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. These methods should be used in preference to personal protective equipment.

**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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<b>Eye Protection</b>	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>Hand 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. Wear gloves of impervious material conforming to AS/NZS 2161: Occupational protective gloves - Selection, use and maintenance. Final choice of appropriate glove type will vary according to individual circumstances. This can include methods of handling, and engineering controls as determined by appropriate risk assessments. Avoid skin contact when removing gloves from hands, do not touch the gloves outer surface. Dispose of gloves as hazardous waste.
<b>Personal Protective Equipment</b>	Personal protective equipment should not solely be relied upon to control risk and should only be used when all other reasonably practicable control measures do not eliminate or sufficiently minimise risk. Guidance in selecting personal protective equipment can be obtained from Australian, Australian/New Zealand or other approved standards.
<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>	White, deliquescent, granular, translucent powder.
<b>Odour</b>	Odourless.
<b>Melting Point</b>	891 °C
<b>Boiling Point</b>	Decomposes.
<b>Solubility in Water</b>	Very soluble (138 g/L @ 20 °C)
<b>Solubility in Organic Solvents</b>	Insoluble in alcohol.
<b>Specific Gravity</b>	2.428 @ 19 °C
<b>pH</b>	~11.5 - 12.5 (50 g/l, H <sub>2</sub> O, 20 °C)
<b>Flammability</b>	Non combustible material.
<b>Molecular Weight</b>	138.21
<b>Other Information</b>	Alkaline reaction.

**10. Stability and reactivity**

<b>Chemical Stability</b>	Stable under normal use conditons.
<b>Conditions to Avoid</b>	Moisture. Incompatibles.
<b>Incompatible Materials</b>	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.
<b>Hazardous Decomposition Products</b>	May liberate toxic fumes including carbon monoxide, carbon dioxide.
<b>Hazardous Polymerization</b>	Will not occur.

**11. Toxicological Information**

<b>Acute Toxicity - Oral</b>	LD50 (rat): >2000 mg/kg (IUCLID).
<b>Ingestion</b>	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.
<b>Inhalation</b>	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.



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<b>Skin</b>	In aqueous solution it is a strong caustic and as such may have a corrosive effect on the skin.
<b>Eye</b>	Causes severe irritation to the eyes with symptoms including of redness, pain and possible corneal damage.
<b>Respiratory sensitisation</b>	Not classified based on available information.
<b>Skin Sensitisation</b>	Not classified based on available information.
<b>Germ cell mutagenicity</b>	Not classified based on available information.
<b>Carcinogenicity</b>	Not classified based on available information.
<b>Reproductive Toxicity</b>	Not classified based on available information.
<b>STOT-single exposure</b>	Specific target organ toxicity - Single Exposure Category 3 H335 May cause respiratory irritation.
<b>STOT-repeated exposure</b>	Not classified based on available information.
<b>Chronic Effects</b>	Repeated or prolonged exposure to this material may cause dermatitis.
<b>Serious eye damage/irritation</b>	Eye Damage/Irritation: Category 1 H318 Causes serious eye damage.
<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. Biological effects: Harmful effect due to pH shift.
<b>Persistence and degradability</b>	Methods for the determination of biodegradability are not applicable to inorganic substances.
<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>	S5

**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, 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 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 <b>DISCLAIMER STATEMENT:</b> All information provided in this data sheet or by our technical representatives is compiled from the best
<b>Contact Person/Point</b>	



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# Safety Data Sheet

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**Empirical Formula &** K<sub>2</sub>CO<sub>3</sub>

**Structural Formula**

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