



Material Safety Data Sheet

This material is hazardous according to criteria of NOHSC.

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: POTASSIUM CARBONATE

Synonyms: Potash; Pearl ash; Potassium carbonate anhydrous; Carbonic acid, dipotassium salt
Potassium Carbonate Anhydrous Tech Gde.

Supplier: Bronson & Jacobs Pty Ltd

ABN: 81 000 063 249

Street Address: 5 Parkview Drive Olympic Park NSW 2127

Telephone Number: +61 2 9394 3288

Facsimile: +61 2 9394 3222

Emergency Telephone: 1 800 033 111 (ALL HOURS)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Product Description: Optical glasses, colour TV tubes, dehydrating agent, pigments, printing inks, lab reagent, soft soaps, raw wool washing, food additive. White, odourless, powder.

Components / CAS Number	Proportion	Risk Phrases
Potassium carbonate 584-08-7	100%	R22, R36/37/38

3. HAZARDS IDENTIFICATION

Risk Phrases: Harmful if swallowed. Irritating to eyes, respiratory system and skin.

Poisons Schedule: None allocated.

4. FIRST AID MEASURES

Inhalation: Remove victim from area of exposure - avoid becoming a casualty. If patient finds breathing difficult and develops a bluish discolouration of the skin (which suggests a lack of oxygen in the blood - cyanosis), ensure airways are clear of any obstruction and have a qualified person give oxygen through a face mask. Apply artificial respiration if patient is not breathing. Seek immediate medical advice.

Skin Contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Product Name: POTASSIUM CARBONATE
Substance No: 000000034360

Issued: 25/05/2004

Version: 1



Material Safety Data Sheet

Eye Contact: If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a doctor, or for at least 15 minutes.
Ingestion: Rinse mouth with water. If swallowed, give a glass of water to drink. Seek medical assistance.
Notes to physician: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Specific Hazards: Non-combustible material.
Fire-fighting advice: Decomposes on heating emitting toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to products of decomposition.

Suitable Extinguishing Media: Extinguishing media appropriate to surrounding fire conditions.

6. ACCIDENTAL RELEASE MEASURES

Wear protective equipment to prevent skin and eye contact and breathing in dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. Wash area down with excess water.

7. HANDLING AND STORAGE

Handling advice: Avoid skin and eye contact and breathing in dust. Avoid handling which leads to dust formation.

Storage advice: Store in a cool, dry, well ventilated place and out of direct sunlight. Protect from moisture. Store away from incompatible materials described in Section 10. Keep containers closed when not in use - check regularly for spills.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits:

No value assigned for this specific material by the National Occupational Health and Safety Commission. However, Exposure Standard(s) for particulates:

Nuisance dust: 8hr TWA = 10 mg/m³

As published by the National Occupational Health and Safety Commission.

TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.

These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric

Product Name: POTASSIUM CARBONATE
Substance No: 000000034360

Issued: 25/05/2004

Version: 1



Material Safety Data Sheet

contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.

Engineering Control Measures:

Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use in well ventilated areas. Avoid generating and breathing in dusts. Use with local exhaust ventilation or while wearing dust mask. Keep containers closed when not in use.

Personal Protective Equipment:

OVERALLS, SAFETY SHOES, CHEMICAL GOGGLES, GLOVES, DUST MASK.

Wear overalls, chemical goggles and impervious gloves. Avoid generating and inhaling dusts. If dust exists, wear dust mask/respirator meeting the requirements of AS/NZS 1715 and AS/NZS 1716. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical state:	Powder
Colour:	White
Odour:	Odourless
Solubility:	Very soluble in water.
Specific Gravity:	2.47
Relative Vapour Density (air=1):	Not applicable
Vapour Pressure (20 °C):	Not applicable
Flash Point (°C):	Not applicable
Flammability Limits (%):	Not applicable
Autoignition Temperature (°C):	Not applicable
Melting Point/Range (°C):	891
Boiling Point/Range (°C):	Not applicable
pH:	11.5 (50g/L H2O)

10. STABILITY AND REACTIVITY

Stability: Stable at ambient temperatures. Incompatible with aluminium, alkaline earth metals in powder form, fluorine, alkali metals, organic nitro compounds, halogenated hydrocarbons, and concentrated sulfuric acid.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Ingestion: Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain, convulsions and loss of

Product Name: POTASSIUM CARBONATE
Substance No: 000000034360

Issued: 25/05/2004 **Version:** 1



Material Safety Data Sheet

consciousness.
Eye contact: An eye irritant.
Skin contact: Contact with skin will result in irritation.
Inhalation: Breathing in dust will result in respiratory irritation.

Long Term Effects:
No information available for the product.

Toxicological Data:

Oral LD50 (rat): 1870 mg/kg

12. ECOTOXICOLOGICAL INFORMATION

Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Refer to Waste Management Authority. Dispose of material through a licensed waste contractor.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. REGULATORY INFORMATION

Classification: This material is hazardous according to criteria of NOHSC.
Xn: Harmful

Product Name: POTASSIUM CARBONATE
Substance No: 000000034360

Issued: 25/05/2004

Version: 1



Material Safety Data Sheet

Xi: Irritant

Risk Phrase(s): R22: Harmful if swallowed.
R36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrase(s): S22: Do not breathe dust.
S24/25: Avoid contact with skin and eyes.
S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S36/37/39: Wear suitable protective clothing, gloves and eye/face protection.
S38: In case of insufficient ventilation, wear suitable respiratory equipment.

Poisons Schedule: None allocated.

This material is listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION

In 'Martindale - The Extra Pharmacopoeia. 29th Edition. Ed. Reynolds J. The Pharmaceutical Press, London, 1989.'
Supplier Material Safety Data Sheet; 2001.

This material safety data sheet has been prepared by SH&E Shared Services, Orica.

Reason(s) for Issue:
First Issue Primary MSDS

This MSDS summarises to our best knowledge at the date of issue, the chemical health and safety hazards of the material and general guidance on how to safely handle the material in the workplace. Since Bronson & Jacobs Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, assess and control the risks arising from its use of the material.

If clarification or further information is needed, the user should contact their Bronson & Jacobs representative or Bronson & Jacobs Pty Ltd at the contact details on page 1.

Bronson & Jacobs Pty Ltd's responsibility for the material as sold is subject to the terms and conditions of sale, a copy of which is available upon request.

Product Name: POTASSIUM CARBONATE
Substance No: 000000034360

Issued: 25/05/2004

Version: 1