

Material Safety Data Sheet

BA830
Spodumene

Company Details	Walker Ceramics 2/21 Research Drive, Croydon South, Victoria 3136, Australia Telephone (03) 8761 6322 Fax (03) 8761 6344 Email sales@walkerceramics.com.au Website www.walkerceramics.com.au Date Of Issue: April 2014
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IDENTIFICATION	
Product Name	Spodumene
Other Names	Lithium Aluminium Silicate
Manufacturers Product Code	BA830
UN Number	None
Dangerous Goods Class & Subsidiary Code	None
Hazchem Code	None
Poisons Schedule Number	68476-25-5
Use(s)	Used in pottery and ceramics.

PHYSICAL DESCRIPTION / PROPERTIES	
Appearance	Fine white powder .
Boiling Point / Melting Point	1375°C
Vapour Pressure	Not applicable
Specific Gravity	3.1
Flashpoint	Not applicable
Flammability Limits	Not applicable
Solubility in Water	Negligible
Other Properties	

INGREDIENTS		
Chemical Name	CAS Number	Proportion (%)
Spodumene	68476-25-5	>95
Free Silica as quartz	14808-60-7	<5

HEALTH HAZARD INFORMATION	
Acute	Dust may cause irritation of the eyes, skin and respiratory tract. Prolonged and/or repeated exposure to the dust may result in fibrotic lung damage (silicosis) in some people.
Swallowed	Large doses may cause gastro-intestinal irritation.
Eye	The dust may cause irritation of the eyes.
Skin	The dust may cause irritation and dryness of the skin.
Inhaled	Breathing the dust may cause respiratory irritation and discomfort
Chronic	The principal route of exposure is via the inhalation of the dust. Chronic dust inhalation has been associated with lung disease (source NIOSHTIC). Symptoms are those of nodular fibrosis and respiratory impairment is characterised by obstruction and restriction of lung function.

FIRST AID	
Swallowed	DO NOT INDUCE VOMITING. If conscious, give water or milk. Provide liquid slowly. Seek medical advice.
Eye	Irrigate with water for at least 15 minutes including eyelids and seek medical advice if symptoms persist.
Skin	Wash thoroughly with soap and water. Change into clean clothing and launder contaminated clothing.
Inhaled	Remove to fresh air and keep warm and rested. If breathing has stopped apply artificial respiration and seek immediate medical assistance.
First Aid Facilities	Washing area, eye wash.
Advice To Doctor	Treat symptomatically.

PRECAUTIONS FOR USE	
Exposure Standards	Spodumene TLV TWA 10 mg/m ³ as dust Silica as Quartz TLV TWA 0.1 mg/m ³ (respirable dust) ACGIH = American Conference of Governmental Industrial Hygienists. TWA = Time Weighted Average NOHSC = National Health & Safety Commission
Engineering Controls	Ensure workplace is well ventilated.
Personal Protection	Approved respirator to AS1715 to be worn, gloves, safety glasses and protective overalls. Wash hands and face thoroughly after handling and before work breaks, eating, drinking, smoking and using toilet facilities.
Flammability	Not flammable under the conditions of use but the containers may burn.

SAFE HANDLING INFORMATION	
Storage & Transport	Store and transport in accordance with all regulations. Keep tightly closed in a dry, cool and well-ventilated place. Not subject to hazardous substances labelling.
Spills & Disposal	Dispose of in accordance with all Local, State and Federal regulations by incineration or disposal to landfill.
Fire / Explosion Hazard	Fire-fighters should wear full protective clothing including self-contained breathing apparatus. Use water, foam or dry extinguishing media. Use equipment/media appropriate to surrounding fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with local regulations.

OTHER INFORMATION	
<u>AUSTRALIAN POISONS INFORMATION CENTRE</u> 24 HOUR SERVICE 13 11 26 POLICE / FIRE / AMBULANCE 000	

CONTACT POINT	
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This MSDS summarises, at the date of issue, our best knowledge of the health & safety hazard information for this product, and in particular how to safely handle and use this product in the workplace. Since Walker Ceramics and its agents cannot anticipate or control the conditions under which this product may be used, each user must prior to usage, review this MSDS in the context of how the user intends to handle and use this product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact us.

Our responsibility for products sold, is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.