

Safety Data Sheet

Australian Builders Clay

Section 1: Material and Supplier Information

Product Name:	Australian Builders Clay
Applicable in:	Australia
Other Names:	Bricky clay, rendering clay
Recommended use:	Used for brickwork, pottery clay mixes, art work/modelling and rendering.
Company details:	Building Product Supplies Pty Ltd, 750 Lorimer Street Port Melbourne, VIC 3207 ABN 95 006 150 036
Emergency contact details	Contact person: technical manager Telephone: office hours 03 9676 0060 or Poison Information Center 13 11 26
Phone:	VIC 03 9676 0060
Fax	VIC 03 9646 0802

This Safety Data Sheet (SDS) is issued by Building Product Supplies Pty Ltd in accordance with the code and guidelines from the Australian Safety and Compensation Council (ASCC). The information in it must not be altered, deleted or added to. Building Product Supplies Pty Ltd will not accept any responsibility for any changes made to its SDS by any other person or organization. Building Product Supplies Pty Ltd will issue a new MSDS when there is a change in product specifications and/ or ASCC standards, guidelines or regulations.

Section 2: Hazards Identification

GHS Classifications

Carcinogenicity	Category 1A
Specific organ toxicity	Category 1

Hazard Pictogram(s)



Signal Word**Warning****Hazard Statement(s)**

H350	Cancer Hazard. Contains quartz (crystalline silica) which may cause cancer. Risk of cancer depends upon duration and level of exposure to the dust, Not an acute hazard.
H332	Prolonged inhalation of dust may cause long injury. Inhalation of high concentrations of dust may cause mechanical irritation and discomfort of the respiratory tract. Repeated exposure may have chronic effects.
H316+H320+H335	Can cause skin, respiratory, and eye irritation

Prevention Statement(s)

P261	Avoid breathing dust
P280	Wear protective gloves/protective clothing/eye protection/face protection

Section 3: Composition / Information on Ingredients

Chemical Name	Proportion	CAS Number
Kaolin	40-80%	1318-74-7
Quartz	5-20%	14808-60-7
Illite	0-2%	12173-60-3

Section 4: First Aid Measures

Eye Contact	If eye contact occurs, rinse immediately with plenty of water. If irritation persists, seek medical attention.
Skin Contact	If irritation occurs, wash thoroughly with water. If it persists, seek medical attention.
Inhalation	Move victim to fresh air in well ventilated area. If coughing or irritation persists, seek medical attention.
Ingestion	Wash mouth with water. Give plenty of water to drink.
First Aid Facilities	Eye wash station. Washing facilities with running water.

Section 5: Fire Fighting

General Fire Hazards	Clay mixture in dry or moist form is not flammable and does not support fire. The paper bags or plastic bags and cardboard boxes containing the mixture are flammable.
Extinguishing Media	Use appropriate extinguishing media for surrounding fire.
Chemical hazards from fire	Clay mixture does not contain hazardous decomposition products.
Protective actions and equipment for fire-fighters	Clay mixture and packaging can become slippery when wet. Fire-fighters should wear appropriate protective equipment.



Section 6: Accidental Release Measures

Methods and material for containment and cleaning up

Clean-up Methods	If appropriate, use gentle water spray to wet down and minimize dust generation.
Personal Precautions and Personal Protective Equipment	Wear appropriate protective equipment and clothing during clean-up. When dry sweeping use NIOSH approved respirators when dust levels exceed exposure limits.
Environmental Precautions	Clay is a natural mineral product mixture and will not cause adverse effects to the water system and other than turbidity from suspended particles.
Emergency Procedures and Methods of Containment	There are no emergency procedures required for this mixture. Place dry clay dust in a sealed container for re-use or proper disposal.

Section 7: Handling and Storage

Handling	When supplied in bags these need to be handled in accordance with manual handling Code of Practice.
Storage	Protect from moisture.

Section 8: Exposure Controls / Personal Protection

Appropriate Engineering Controls	All work with dry product should be carried out in such a way as to minimize dust generation and exposure to dust. When handling dry, use local mechanical ventilation or extraction in areas where dust could escape into the work environment. For handling of individual bags, follow instructions below if no local exhaust ventilation is available. Local dust extraction and collection may be used, if necessary, to control airborne dust levels. Work areas should be cleaned regularly.
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Personal Protection



Eye	Use of NIOSH/PSHA approved safety glasses with side shields is recommended. Face shields should also be used when dry sawing clay products. Wear right fitting dust goggles when excessively (visible) dusty conditions are present or are anticipated. NIOSH recommends that contact lenses not be worn when working with crystalline silica dust.
Skin and Body	Protective clothing is not essential. Use gloves and/or protective clothing if abrasion or allergic reactions are experienced.
Respiratory Protection	Dust is generated when working with dry clay mixture. To minimize exposure to dust and/or crystalline silica, cutting or sanding dry clay products should be conducted with sufficient ventilation. Respirable dust and quartz levels should be monitored regularly. Dust and quartz levels in excess of appropriate exposure limits should be reduced by feasible engineering controls, including (but not limited to) wet sanding, wet suppression, ventilation, and process enclosure. When such controls are not

feasible, NIOSH/MSHA approved respirators must be worn in accordance with a respiratory protection program which meets OSHA requirements as set forth at 29 CFR1910.134 and ANSI Z88.2-1080 "Practices for Respiratory Protection". In most cases, a disposable N-95 Particulate Respirator is sufficient.

Section 9: Physical and Chemical Properties

Information on basic physical and chemical properties

Appearance	Lump/dry powder or moist mud brick		
Solubility (water)	None		
Odor	No distinctive odour	Relative Density (water)	2.7
Ph	Not applicable	% Volatiles	Nil
Vapor Pressure	Not available	Flammability	Not applicable
Vapor Density	Not available	Flash Point	Not applicable
Boiling Point	Not available	Autoignition Temperature	Not applicable
Melting Point	>1200°C	Evaporation Rate	Not available
Particle Size	Up to 20% of fresh dry material may be respirable (<10 microns)		

Section 10: Stability and Reactivity

Reactivity	No dangerous reactions are known under normal conditions of use
Chemical Stability	Stable at standard temperature and pressure. No stabilizers required to maintain chemical stability. Safety issues – Mold may form in plastic bag (moist clay mixture) after several months of shelf life.
Possibility of Hazardous Reactions	None known
Conditions to Avoid	None known
Incompatible Materials	None known
Hazardous Decomposition	None known

Section 11: Toxicological Information

Short Term (Acute) Exposure

Swallowed	Unlikely under normal industrial use. May cause nausea, stomach cramps and constipation
Eyes	Irritating to the eyes. Exposure to dust may aggravate existing eye irritations.



Skin	Dust is irritating and drying to the skin. Chronic skin disorders may be aggravated by exposure to dust.
Inhaled	Dust is irritating to the nose, throat and respiratory tract causing coughing and sneezing. Pre-existing upper respiratory and lung diseases including asthma and bronchitis may be aggravated.
Long Term (Chronic) Exposure	
Eyes	Dust may cause irritation and inflammation of the cornea.
Skin	Repeated contact causes irritation and drying of the skin.
Inhaled	<p>Repeated exposure to the dust may result in increased nasal and respiratory secretions and coughing. Inflammation of lining tissue of the respiratory system may follow repeated exposure to high levels of dust with increased risk of bronchitis and pneumonia. Repeated and prolonged exposure to dust levels which exceed the OES for crystalline silica (see above) may occur. This can cause bronchitis, and silicosis (scarring of the lung). Long term overexposure to respirable crystalline silica dust may increase the risk of other irreversible and serious disorders including scleroderma (a disease affecting the connective tissue of the skin, joints, blood vessels and internal organs).</p> <p>NOHSC has not classified crystalline silica as a carcinogen. There is debate in the medical literature concerning whether there is any risk of lung cancer arising from using this product or sand cement mixes. The International Agency for Research on Cancer (IARC) has classified Crystalline Silica inhaled in the form of quartz or Cristobalite from occupational sources, as carcinogenic to humans (Group 1).</p>

Section 12: Ecological Information

Ecotoxicity	Unlikely to have a negative impact on plant life or animals.
Persistence and Degradability	Product is persistent and would have a low degradability.
Mobility	A low mobility would be expected in a landfill situation.

Section 13: Disposal Considerations

Personal Protection	Refer to section 8 for proper PPE when disposing of waste material.
Appropriate disposal containers	Standard waste disposal containers – no special requirements.
Appropriate disposal methods	Disposal of this product should comply with the requirements of environmental protection and waste disposal legislation and any regional or local authority requirements.
Physical and chemical properties that may affect disposal	Dry day dust should be placed in a sealed container or in a manner that reduces or eliminates the release of the product. Moist clay has no special requirements.



Sewage disposal	Do not dispose of into sinks or toilets. Never dispose of this product into a sewer system.
Special precautions for landfills or incineration activities	There are no special precautions for disposal in a landfill. This product is non-combustible and is not suitable for incineration.

Section 14: Transport Information

Transportation is done in bulk or bag form by Ship, Rail and Road.

UN Number	None allocated
Proper Shipping Name	None allocated
Class and Subsidiary Risk	None allocated
Packing Group	None allocated
Special Precautions for User	Avoid generating and breathing dust
Hazchem Code	None allocated

Section 15: Regulatory Information

Clay is not classified as Dangerous Goods.

Classified as Hazardous per the criteria of the National Occupational Health and Safety Commission (NOHSC) Approved Criteria for Classifying Hazardous Substances [NOHSC:1008] 3rd Edition.

Exposures by inhalation to high levels of dust may be regulated under the Hazardous Substances Regulations (State) as they are applicable to Respirable Crystalline Silica, requiring exposure assessment, controls and health surveillance (NOHSC).

Section 16: Other Information

Additional Information	Definition and abbreviations
	PC – TWA: Permissible Concentration-Time weighted Average
	PC – STEL: Permissible Concentration-Short Term Exposure Limit
	IARC: International Agency for Research on Cancer
	ACGIH: American Conference of Governmental Industrial Hygienists
	STEL: Short Term Exposure Limit
	TEEL: Temporary Emergency Exposure Limit
	IDLH: Immediately Dangerous to Life or health Concentrations
	OSF: Odour Safety Factor
	NOAFL: No Observed Adverse Effect level
	LOAEL: Lowest Observed Adverse Effect Level
	TLV: Threshold Limit Value
	LOD: Limit of Detection



OTV: Odour Threshold Value

BCF: Bioconcentration Factors

BEI: Biological Exposure Index

Report Status

This document has been compiled by Building Product Supplies Pty Ltd the manufacturer of the product and serves as the manufacturer's Safety Data Sheet.

While the information in this Safety Data Sheet has been prepared in good faith, Building Product Supplies Pty Ltd does not warrant that the information is accurate, complete, or up to date.

Contact Point

For further information on this product contact:

Telephone: office hours 03 9676 0060

Facsimile: 03 9646 0080

Web site: <https://bpsaust.com>

Advice Note

The information in this document is believed to be accurate. Please check the currency of this MSDS by contacting:

03 9676 0060

Or

<https://bpsaust.com>

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- assess and control any risks associated with the information or product; and
- obtain professional advice in relation to the use of the information or product.

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