

SAFETY DATA SHEET

USG BORAL 

USG Boral Building Products Pty Limited
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Product Name FIBEROCK GYPSUM PANELS

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name USG BORAL BUILDING PRODUCTS PTY LIMITED
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Synonym(s) FIBER-REINFORCED GYPSUM PANELS PRODUCT • FIBEROCK WATER RESISTANT • WALLBOARD

Use(s) LINING • PLASTER BOARD • WALL CLADDING • WALL PANELS • WALLBOARD

SDS date 26 November 2014

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

Risk Phrases

None allocated

Safety Phrases

None allocated

Other Hazards

Dusts generated during cutting or sanding of the board may cause irritation.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN Number	None Allocated	Transport Hazard Class	None Allocated
Packing Group	None Allocated	Hazchem Code	None Allocated

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	CAS Number	EC Number	Content
QUARTZ (CRYSTALLINE SILICA)	14808-60-7	238-878-4	<1%
GYPSUM	13397-24-5	603-783-2	>80%
CELLULOSE	9004-34-6	232-674-9	<15%
METHYL HYDROGEN POLYSILOXANE	63148-57-2	613-152-3	<1%

4. FIRST AID MEASURES

Eye If in eyes, hold eyelids apart and flush continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre, a doctor, or for at least 15 minutes.

Inhalation If inhaled, remove from contaminated area. Apply artificial respiration if not breathing.

Skin Exposure is considered unlikely. Skin irritation is not anticipated.

Ingestion For advice, contact a Poison Information Centre on 13 11 26 (Australia Wide) or a doctor (at once). Due to product form and application, ingestion is considered unlikely.

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Advice to doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Non flammable. May evolve toxic gases if strongly heated. May evolve carbon oxides, calcium oxide and sulphur oxides when heated to decomposition.

Fire and explosion No fire or explosion hazard exists.

Extinguishing Use an extinguishing agent suitable for the surrounding fire.

Hazchem code None Allocated

6. ACCIDENTAL RELEASE MEASURES

Personal precautions Wear Personal Protective Equipment (PPE) as detailed in section 8 of the SDS.

Environmental precautions Prevent product from entering drains and waterways.

Methods of cleaning up If spilt, collect and reuse where possible.

References See Sections 8 and 13 for exposure controls and disposal.

7. STORAGE AND HANDLING

Storage Store in a cool, dry area.

Handling Before use carefully read the product label. Use of safe work practices are recommended to avoid eye or skin contact and inhalation. Observe good personal hygiene, including washing hands before eating. Prohibit eating, drinking and smoking in contaminated areas.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m ³	ppm	mg/m ³
Cellulose (paper fibre) (a)	SWA (AUS)	--	10	--	--
Gypsum (Calcium sulphate)	SWA (AUS)	--	10	--	--
Quartz (respirable dust)	SWA (AUS)	--	0.1	--	--

Biological limits No biological limit allocated.

Engineering controls Avoid inhalation. Use in well ventilated areas. Where an inhalation risk exists, mechanical extraction ventilation is recommended. Maintain dust levels below the recommended exposure standard.

PPE

Eye / Face When using large quantities or where heavy contamination is likely, wear dust-proof goggles.

Hands When using large quantities or where heavy contamination is likely, wear rubber or PVA gloves.

Body When using large quantities or where heavy contamination is likely, wear coveralls.

Respiratory Where an inhalation risk exists, wear a Class P1 (Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance OFF-WHITE TO TAN COLOURED BOARD

Odour SLIGHT ODOUR

Flammability NON FLAMMABLE

Flash point NOT RELEVANT

Boiling point NOT AVAILABLE

Melting point NOT AVAILABLE

Evaporation rate NOT AVAILABLE

pH 7 (Approximately)

Vapour density NOT AVAILABLE

Specific gravity 2.32 to 2.96

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Solubility (water)	SLIGHTLY SOLUBLE
Vapour pressure	NOT AVAILABLE
Upper explosion limit	NOT RELEVANT
Lower explosion limit	NOT RELEVANT
Partition coefficient	NOT AVAILABLE
Autoignition temperature	NOT AVAILABLE
Decomposition temperature	1450°C
Viscosity	NOT AVAILABLE
Explosive properties	NOT AVAILABLE
Oxidising properties	NOT AVAILABLE
Odour threshold	NOT AVAILABLE

10. STABILITY AND REACTIVITY

Chemical stability	Stable under recommended conditions of storage.
Conditions to avoid	Avoid heat, sparks, open flames and other ignition sources.
Material to avoid	Compatible with most commonly used materials. Incompatible with acids (e.g. nitric acid).
Hazardous Decomposition Products	May evolve carbon oxides, calcium oxide and sulphur oxides when heated to decomposition.
Hazardous Reactions	Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary	Low toxicity - low irritant. This product may present a hazard if boards/panels are sanded, drilled or cut with dust generation. Use safe work practices to avoid dust generation - inhalation. Crystalline silica quartz is classified as a human carcinogen (IARC Group 1), however, due to the product form (board), and low concentration, adverse health effects are not anticipated unless this product is cut or sanding and dusts generated.																				
Eye	Due to product form and nature of use, the potential for exposure is reduced. Product may only present a hazard if dust is generated. Contact may result in mechanical irritation.																				
Inhalation	Exposure considered unlikely. An inhalation hazard is not anticipated unless cut, drilled or sanded with dust generation, which may result in irritation of the nose and throat.																				
Skin	Low irritant. Prolonged or repeated contact may result in mild irritation due to mechanical action.																				
Ingestion	Ingestion is considered unlikely due to product form.																				
Toxicity data	<table><tr><td>GYPSUM (13397-24-5)</td><td></td></tr><tr><td>TCLo (inhalation)</td><td>194 g/m³/10 years intermittently (human)</td></tr><tr><td>TDL0 (ingestion)</td><td>450 mg/kg/3 weeks intermittently (rat)</td></tr><tr><td>CELLULOSE (9004-34-6)</td><td></td></tr><tr><td>LC50 (inhalation)</td><td>> 5800 mg/m³/4 hours (rat)</td></tr><tr><td>LD50 (ingestion)</td><td>> 5000 mg/kg (rat)</td></tr><tr><td>LD50 (intraperitoneal)</td><td>> 31600 mg/kg (rat)</td></tr><tr><td>LD50 (skin)</td><td>> 2000 mg/kg (rabbit)</td></tr><tr><td>METHYL HYDROGEN POLYSILOXANE (63148-57-2)</td><td></td></tr><tr><td>LD50 (ingestion)</td><td>> 100 g/kg</td></tr></table>	GYPSUM (13397-24-5)		TCLo (inhalation)	194 g/m ³ /10 years intermittently (human)	TDL0 (ingestion)	450 mg/kg/3 weeks intermittently (rat)	CELLULOSE (9004-34-6)		LC50 (inhalation)	> 5800 mg/m ³ /4 hours (rat)	LD50 (ingestion)	> 5000 mg/kg (rat)	LD50 (intraperitoneal)	> 31600 mg/kg (rat)	LD50 (skin)	> 2000 mg/kg (rabbit)	METHYL HYDROGEN POLYSILOXANE (63148-57-2)		LD50 (ingestion)	> 100 g/kg
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12. ECOLOGICAL INFORMATION

Toxicity	No information provided.
Persistence and degradability	No information provided.
Bioaccumulative potential	No information provided.
Mobility in soil	No information provided.
Other adverse effects	This product does not present an ecological hazard to the environment.

13. DISPOSAL CONSIDERATIONS

Waste disposal	Reuse where possible or return to manufacturer (the manufacturer may have a method/solution for neutralisation available). Alternatively, absorb with sand or similar and dispose of to an approved landfill site. Contact the manufacturer/supplier for additional information (if required).
Legislation	Dispose of in accordance with relevant local legislation.

14. TRANSPORT INFORMATION**NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE, IMDG OR IATA**

	LAND TRANSPORT (ADG)	SEA TRANSPORT (IMDG / IMO)	AIR TRANSPORT (IATA / ICAO)
UN Number	None Allocated	None Allocated	None Allocated
Proper Shipping Name	None Allocated	None Allocated	None Allocated
Transport Hazard Class	None Allocated	None Allocated	None Allocated
Packing Group	None Allocated	None Allocated	None Allocated

Environmental hazards No information provided

Special precautions for user

Hazchem code None Allocated

15. REGULATORY INFORMATION

Poison schedule	A poison schedule number has not been allocated to this product using the criteria in the Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP).
Inventory Listing(s)	AUSTRALIA: AICS (Australian Inventory of Chemical Substances) All components are listed on AICS, or are exempt. UNITED STATES: TSCA (US Toxic Substances Control Act) All components are listed on the TSCA inventory, or are exempt.

16. OTHER INFORMATION

Additional information	<p>PERSONAL PROTECTIVE EQUIPMENT GUIDELINES: The recommendation for protective equipment contained within this report is provided as a guide only. Factors such as method of application, working environment, quantity used, product concentration and the availability of engineering controls should be considered before final selection of personal protective equipment is made.</p> <p>HEALTH EFFECTS FROM EXPOSURE: It should be noted that the effects from exposure to this product will depend on several factors including: frequency and duration of use; quantity used; effectiveness of control measures; protective equipment used and method of application. Given that it is impractical to prepare a ChemAlert report which would encompass all possible scenarios, it is anticipated that users will assess the risks and apply control methods where appropriate.</p>
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Product Name FIBEROCK GYPSUM PANELS

Abbreviations	ACGIH	American Conference of Governmental Industrial Hygienists
	CAS #	Chemical Abstract Service number - used to uniquely identify chemical compounds
	CNS	Central Nervous System
	EC No.	EC No - European Community Number
	GHS	Globally Harmonized System
	IARC	International Agency for Research on Cancer
	LC50	Lethal Concentration, 50% / Median Lethal Concentration
	LD50	Lethal Dose, 50% / Median Lethal Dose
	mg/m ³	Milligrams per Cubic Metre
	OEL	Occupational Exposure Limit
	pH	relates to hydrogen ion concentration using a scale of 0 (highly acidic) to 14 (highly alkaline).
	ppm	Parts Per Million
	STEL	Short-Term Exposure Limit
	STOT-RE	Specific target organ toxicity (repeated exposure)
	STOT-SE	Specific target organ toxicity (single exposure)
	SUSMP	Standard for the Uniform Scheduling of Medicines and Poisons
	SWA	Safe Work Australia
	TLV	Threshold Limit Value
	TWA	Time Weighted Average

Revision history

Revision	Description
1.1	Standard SDS Review
1.0	Initial SDS Creation

Report status

This document has been compiled by RMT on behalf of the manufacturer, importer or supplier of the product and serves as their Safety Data Sheet ('SDS').

It is based on information concerning the product which has been provided to RMT by the manufacturer, importer or supplier or obtained from third party sources and is believed to represent the current state of knowledge as to the appropriate safety and handling precautions for the product at the time of issue. Further clarification regarding any aspect of the product should be obtained directly from the manufacturer, importer or supplier.

While RMT has taken all due care to include accurate and up-to-date information in this SDS, it does not provide any warranty as to accuracy or completeness. As far as lawfully possible, RMT accepts no liability for any loss, injury or damage (including consequential loss) which may be suffered or incurred by any person as a consequence of their reliance on the information contained in this SDS.

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End of SDS