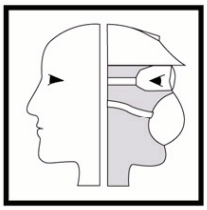

Safety Data Sheet

Boral Australian Gypsum Limited
A.C.N. 004 231 976
676 Lorimer Street,
Port Melbourne, Vic. 3207
Telephone (03) 9214 2138
Facsimile (03) 9646 7339

Product Name **X-BLOCK PLASTERBOARD**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Supplier name	**BORAL AUSTRALIAN GYPSUM LIMITED**
Address	251 Salmon Street, Port Melbourne, Victoria, 3207, AUSTRALIA
Telephone	(03) 9214 2138
Fax	(03) 9646 1912
Emergency	1800 033 111
Web site	http://www.boral.com.au
Synonym(s)	X BLOCK PLASTERBOARD
Use(s)	INTERNAL WALL LINING • PLASTER BOARD
SDS date	22 August 2013

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO SAFE WORK AUSTRALIA CRITERIA

RISK PHRASES

None allocated

SAFETY PHRASES

None allocated

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

UN number	None Allocated	**DG class**	None Allocated
Packing group	None Allocated	**Subsidiary risk(s)**	None Allocated
Hazchem code	None Allocated		

3. COMPOSITION/ INFORMATION ON INGREDIENTS

Ingredient	Identification	Classification	Content
QUARTZ (SILICA CRYSTALLINE)	CAS: 14808-60-7 EC: 238-878-4	Not Available	1%
BORIC ACID	CAS: 10043-35-3 EC: 233-139-2	Repr.;R60 Repr.;R61	<0.5%
BARIUM SULPHATE	CAS: 7727-43-7 EC: 231-784-4	Not Available	>50%
GYPSUM	CAS: 13397-24-5 EC: 603-783-2	Not Available	>40%
CELLULOSE	CAS: 9004-34-6 EC: 232-674-9	Not Available	<15%
STARCH	CAS: 9005-25-8 EC: 232-679-6	Not Available	<3%
GLASS, OXIDE	CAS: 65997-17-3 EC: 266-046-0	Not Available	<1%

4. FIRST AID MEASURES

Inhalation Exposure is considered unlikely. If inhaled (solid is cut or damaged and dusts generated) remove from contaminated area. .

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.

Advice to doctor Treat symptomatically.

5. FIRE FIGHTING MEASURES

Flammability Non Flammable. May evolve silicon oxides, barium oxides and calcium 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

Spillage Spillage is considered unlikely.

7. STORAGE AND HANDLING

Storage Store plasterboard flat in 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.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure standards

Ingredient	Reference	TWA		STEL	
		ppm	mg/m³	ppm	mg/m³
Barium sulphate	SWA (AUS)	--	10	--	--
Cellulose (paper fibre) (a)	SWA (AUS)	--	10	--	--
Gypsum (Calcium sulphate)	SWA (AUS)	--	10	--	--
Non-respirable fibres, inspirable dust	SWA (AUS)	--	2	--	--
Silica, Crystalline Quartz	SWA (AUS)	--	0.1	--	--
Starch (a)	SWA (AUS)	--	10	--	--
Synthetic mineral fibres, respirable fibres	SWA (AUS)	--	0.5 f/ml	--	--

Biological limits No biological limit allocated.

Engineering controls Avoid inhalation. Use in well ventilated areas. If sanding, drilling or cutting, use appropriate local extraction ventilation. Maintain dust levels below the recommended exposure standard.

PPE

Eye / Face Wear dust-proof goggles.

Hands Not required under normal conditions of use.

Body Not required under normal conditions of use.

Respiratory If cutting or sanding with potential for dust generation, wear a Class P1 (Particulate) respirator.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	PAPER COVERED BOARD WHITE CORE
Odour	LOW ODOUR
Flammability	NON FLAMMABLE
Flash point	NOT RELEVANT
Boiling point	NOT AVAILABLE
Melting point	NOT AVAILABLE
Evaporation rate	NOT AVAILABLE
pH	NEUTRAL
Vapour density	NOT AVAILABLE
Specific gravity	NOT AVAILABLE
Solubility (water)	INSOLUBLE
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
% Volatiles	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.
Hazardous Decomposition Products	May evolve silicon oxides, barium oxides and calcium oxides when heated to decomposition.
Hazardous Reactions	Polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

Health Hazard Summary

Low toxicity. Under normal conditions of use, adverse health effects are not anticipated. Use safe work practices to avoid eye or skin contact and inhalation. Crystalline silica is classified as carcinogenic to humans (IARC Group 1). Chronic exposure to crystalline silica may cause lung fibrosis (silicosis), however due to the low levels of crystalline silica in this product, chronic health effects are not anticipated with normal use.

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 exposure to dust may result in irritation and dermatitis.

Ingestion

Ingestion is considered unlikely due to product form.

Toxicity data

QUARTZ (SILICA CRYSTALLINE) (14808-60-7)

LCLo (inhalation)	300 ug/m³/10 years (human)
TCLo (inhalation)	16 000 000 particles/ft3/8 hours/17.9 years (human-fibrosis)

BORIC ACID (10043-35-3)

LCLo (inhalation)	28 mg/m³/4 hours (rat)
LD50 (ingestion)	2660 mg/kg (rat)
LDLo (ingestion)	200 mg/kg (woman)

GYPSUM (13397-24-5)

TCLo (inhalation)	194 g/m³/10 years intermittently (human)
TDLo (ingestion)	450 mg/kg/3 weeks intermittently (rat)

CELLULOSE (9004-34-6)

LC50 (inhalation)	> 5800 mg/m³/4 hours (rat)

CELLULOSE (9004-34-6)

LD50 (ingestion)	> 5000 mg/kg (rat)
LD50 (intraperitoneal)	> 31600 mg/kg (rat)
LD50 (skin)	> 2000 mg/kg (rabbit)

GLASS, OXIDE (65997-17-3)

TCLo (inhalation)	5 mg/m³/7H/90W (rat)
TDLo (intraperitoneal)	50 mg/kg (rat)

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 No information provided.

13. DISPOSAL CONSIDERATIONS

Waste disposal No special precautions are required for the disposal of this product.

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

	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
DG class/ Division	None Allocated	None Allocated	None Allocated
Subsidiary risk(s)	None Allocated	None Allocated	None Allocated
Packing group	None Allocated	None Allocated	None Allocated

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.

16. OTHER INFORMATION

Additional information This product is used in conjunction with X-Block Jointing Compound to provide an internal lining solution for x-ray radiation protection.

RESPIRATORS: In general the use of respirators should be limited and engineering controls employed to avoid exposure. If respiratory equipment must be worn ensure correct respirator selection and training is undertaken. Remember that some respirators may be extremely uncomfortable when used for long periods. The use of air powered or air supplied respirators should be considered where prolonged or repeated use is necessary.

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.

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.

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
LD50	Lethal Dose, 50% / Median Lethal Dose
mg/m^3	Milligrams per Cubic Metre
OEL	Occupational Exposure Limit
PEL	Permissible Exposure Limit
pH	relates to hydrogen ion concentration using a scale of 0 (high acidic) to 14 (highly alkaline).
ppm	Parts Per Million
REACH	Regulation on Registration, Evaluation, Authorisation and Restriction of Chemicals
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
1.0	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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SDS Date: 22 August 2013

End of SDS