

Printing date 03.11.2014

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1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: X-BLOCK PLASTERBOARD

Recommended Use of the Chemical and Restriction on Use: Internal wall lining, plaster board.

Details of Manufacturer or Importer:

USG Boral Building Products Pty Limited (ACN 004 231 976)
251 Salmon Street
Port Melbourne VIC 3207

Phone Number: 03 9214 2138

Emergency telephone number: National Poison Information Centre: 13 11 26

2 . HAZARDS IDENTIFICATION

Hazardous Nature:

Not classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.

Not classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. (7th edition)

The product is not classified as hazardous according to the Globally Harmonized System (GHS).

Label Elements

Signal Word Void

Hazard Statements Void

3 . COMPOSITION AND INFORMATION ON INGREDIENTS

Chemical Characterization: Mixtures

Description: Mixture of substances listed below with nonhazardous additions.

Hazardous Components:

10043-35-3	Boric acid	 Repr. 1B, H360	<0.5%
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4 . FIRST AID MEASURES

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

Ingestion considered unlikely due to product form. If swallowed, do not induce vomiting. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5 . FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Use fire extinguishing methods suitable to surrounding conditions.

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Specific Hazards Arising from the Chemical:

Non flammable. No fire or explosion hazard exists. May evolve silicon, barium and calcium oxides when heated to decomposition.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6 . ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia approved protective clothing. Evacuate all non-essential personnel from affected area. Do not breathe dust. Ensure adequate ventilation. Avoid generating dust.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

Methods and Materials for Containment and Cleaning Up:

Clean the area using an industrial vacuum cleaner. Wet mopping and wiping is acceptable if vacuuming is not workable. Avoid generating dust.

Remove promptly all visible waste materials to avoid being trampled and spread about, place in plastic bags or other containers which prevent fibre and/or dust emission, and dispose of in accordance with local waste disposal authority requirements.

7 . HANDLING AND STORAGE

Precautions for Safe Handling:

Use of safe work practices are recommended to avoid eye or skin contact and inhalation of dust.

Care should be taken to minimise dust release when opening boxes or bags. Where possible, material should be ordered in a form and shape which requires a minimum of cutting and handling on site. Hand tools should always be used in preference to power tools in any site processing. If power tools are used, these should be fitted with exhaust extraction at the point of dust generation, or other effective local extraction.

Materials should be used and handled in a wet, rather than dry form where workable. Work areas should be cleaned regularly to remove any build up of fibres and/or dust.

Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment regularly, separate from other laundry to avoid cross-contamination and subsequent skin irritation of non-workers. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store flat in a cool, dry and well ventilated area. Protect from heat, sparks, open flames and other sources of ignition.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards:**7727-43-7 Sulfuric acid, barium salt (1:1)**NES | TWA: 10 mg/m³**14808-60-7 Quartz (SiO₂)**NES | TWA: 0.1 mg/m³
respirable dust**9004-34-6 Cellulose**NES | TWA: 10 mg/m³

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13397-24-5 Gypsum (Calcium sulfate)	
NES	TWA: 10 mg/m ³
9005-25-8 Starch	
NES	TWA: 10 mg/m ³
65997-17-3 Glass, oxide	
NES	TWA: 0.5 f/mL (respirable)
NES	TWA: 2 mg/m ³ (inspirable dust)

Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

Personal Protective Equipment (PPE):**Respiratory Protection:**

A half-face (Class L) particulate respirator should be worn during work in enclosed or poorly ventilated spaces, for example, in ceiling spaces, or where evidence suggests that respirable fibre levels may exceed 0.5 f/mL.

Class L for protection against mechanically generated particulates (dusts and mists) i.e particles generated from operations such as grinding, blasting, spraying and powder mixing, for example, SMF, asbestos, silica, caustic mist and lead.

Airline respirators and powered air-purifying respirators can offer a very high level of respiratory protection. When operated in the positive pressure demand mode these respirators generally reduce problems of poor facial seal. These respirators are usually only required for the most dusty operations or where there are high concentrations of other toxic materials such as crystalline silica or asbestos.

Skin Protection:

Leather/pigskin, neoprene or nitrile gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information. When selecting hand protection, the product should comply with relevant performance criteria. For example, gloves should meet a suitable level of abrasion resistance to provide protection against hazards of a workplace.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing). See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against dust. See Australian/New Zealand Standard AS/NZS 1337 for more information.

9 . PHYSICAL AND CHEMICAL PROPERTIES

Appearance:

Form:	Paper covered board
Colour:	White
Odour:	Low odour
Odour Threshold:	No information available
pH-Value:	Neutral
Melting point/Melting range:	No information available
Initial Boiling Point/Boiling Range:	No information available
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	No information available
Decomposition Temperature:	1450 °C

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Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Density:	No information available
Relative Density:	No information available
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Insoluble

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: Heat, sparks, open flames and other ignition sources.

Incompatible Materials: No further relevant information available.

Hazardous Decomposition Products: Silicon, barium and calcium oxides.

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:		
14808-60-7 Quartz (SiO₂)		
Inhalation	LCLo	300 µg/m ³ /10 years (human)
	TCLo	16 000 000 particles/ft ³ /8 hrs (human) (human-fibrosis)
65997-17-3 Glass, oxide		
Inhalation	TCLo	5 mg/m ³ /7H/90W (rat)
10043-35-3 Boric acid		
Oral	LD ₅₀	2660 mg/kg (rat)
	LDLo	200 mg/kg (human) (woman)
Inhalation	LCLo	28 mg/m ³ /4 hours (rat)
13397-24-5 Gypsum (Calcium sulfate)		
Oral	TDLo	450 mg/kg/3 weeks (rat) (intermittently)
Inhalation	TCLo	194 g/m ³ /10 years (human) (intermittently)
9004-34-6 Cellulose		
Oral	LD ₅₀	>5000 mg/kg (rat)
Dermal	LD ₅₀	>2000 mg/kg (rabbit)
Inhalation	LC ₅₀ /4 h	>5800 mg/m ³ (rat)

Acute Health Effects

Inhalation: May cause respiratory irritation.

Skin: Dust may cause mechanical skin irritation.

Eye: Dust may cause mechanical eye irritation.

Ingestion: Ingestion is considered unlikely due to product form.

Skin Corrosion / Irritation: Based on classification principles, the classification criteria are not met.

Serious Eye Damage / Irritation: Based on classification principles, the classification criteria are not met.

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Respiratory or Skin Sensitisation: Based on classification principles, the classification criteria are not met.

Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.

Carcinogenicity:

Synthetic Mineral Fibres (SMF) including ceramic fibre, glass wool, rock wool and slag-wool are classified by IARC as a Group 2B - possibly carcinogenic to human.

Silica dust, crystalline, in the form of quartz or cristobalite is classified by IARC as a Group 1 - Carcinogenic to humans.

Reproductive Toxicity: Boric acid is classified by Safe Work Australia as Toxic to Reproduction Category 2.

Specific Target Organ Toxicity (STOT) - Single Exposure:

Based on classification principles, the classification criteria are not met.

Specific Target Organ Toxicity (STOT) - Repeated Exposure:

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.

Chronic Health Effects:

The long term inhalation of respirable synthetic mineral fibres (SMF) may cause industrial bronchitis and lead to other lung diseases.

The prolonged and repeated exposure (by inhalation) to respirable (crystalline) silica cause silicosis, a debilitating lung disease. The crystalline silica dust is practically insoluble in body fluids and can be deposited in lungs. Cigarette smoking can reduce the clearance of crystalline silica. The data indicate that the relative lung cancer risk is increased for people with silicosis.

Prolonged or repeated skin exposure to dust may result in irritation and dermatitis.

Existing Conditions Aggravated by Exposure: No information available

12 . ECOLOGICAL INFORMATION

Ecotoxicity: No information available

Aquatic toxicity: No information available

Persistence and Degradability: No information available

Bioaccumulative Potential: No information available

Mobility in Soil: No information available

13 . DISPOSAL CONSIDERATIONS

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.

Special Precautions for Landfill or Incineration:

Please consult your state Land Waste Management Authority for more information.

14 . TRANSPORT INFORMATION

UN Number Not regulated

Proper Shipping Name Not regulated

Dangerous Goods Class Not regulated

Packing Group: Not regulated

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15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

10043-35-3	Boric acid
7727-43-7	Sulfuric acid, barium salt (1:1)
65997-17-3	Glass, oxide
13397-24-5	Gypsum (Calcium sulfate)
9004-34-6	Cellulose
9005-25-8	Starch
14808-60-7	Quartz (SiO ₂)

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Not a scheduled poison.

16 . OTHER INFORMATION

Creation Date: 03.11.2014**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au

Abbreviations and acronyms:

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Disclaimer

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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