

DURALINER™ PLUS, DURASHEET™, DURATEX™, DURALATTICE™, DURALUX™ PLUS, DURAPLANK™, ULTRAFORM, COMPRESSED, CERAMIC & VINYL UNDERLAYS, NULINE™ PLUS, DURAGRID™, DURASCAPE™, DURAGROOVE™, STONESHEET™, STRATUM™, STRATUM™ DUO, STRATUM™ TRIO, STRATUM™ CONTOUR, STRATUM™ ERA, DURAFLOOR™

1 - IDENTIFICATION OF THE MATERIAL AND SUPPLIER

SUPPLIER NAME	BGC FIBRE CEMENT PTY LTD
ADDRESS	290 Bushmead Road, Hazelmere, WA, 6055, AUSTRALIA
TELEPHONE	(08) 9374 2900
FAX	(08) 9374 2901
EMERGENCY USE(S)	13 11 26 (Poison Information Centre) Fibre cement sheets for use on internal / external wall linings and soffits, also ceramic and Vinyl / Cork Underlays
MSDS date	June 2017

2 - HAZARDS IDENTIFICATION

In accordance with the National Occupational Health and Safety Commission (NOHSC) criteria, BGC Fibre Cement products are not classified as hazardous materials.

UN number	None Allocated	Hazchem code	None Allocated
Dangerous Goods Class & Subsidiary Risk	None Allocated	Poisons Schedule Number:	None Allocated

2 - PHYSICAL DESCRIPTION / PROPERTIES

APPEARANCE	Blue tint on face of the Duratex, a white tint to the face of 4.5, 6.0, 9.0 and 12mm Compressed while all other products are cement grey finish	BOILING POINT (°C)	Not Applicable
VAPOUR PRESSURE	Not Applicable	SPECIFIC GRAVITY (H ₂ O = 1)	Not Relevant
FLASH POINT	Not Applicable	FLAMMABILITY LIMITS	Not Flammable
SOLUBILITY IN WATER	Not Relevant	REACTIVITY (I.E. WITH WATER OR AIR)	Not Reactive
AUTO-IGNITION TEMPERATURE (°C)	-	ODOUR THRESHOLD	Slight cement odour
LOWER EXPLOSION LIMIT	-	UPPER EXPLOSION LIMIT	-
SELF ACCELERATING DECOMPOSITION	-		

3 - COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT	CAS NUMBER	PROPORTION	EXPOSURE LIMITS
Cement (Calcium silicate)	66997-15-1	> 30%	10.0 mg/m ³ measured as inspirable dust
Sand (Crystalline Silica)	14808-60-7	> 50%	0.1 mg/m ³ measured as inspirable dust
Paper pulp (Cellulose)	9004-34-6	< 8%	10 mg/m ³ measured as inspirable dust
Aluminium Trihydroxide (Hydrated Ground Alumina)	21645-51-2	< 5%	10 mg/m ³ measured as inspirable dust

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4 - HEALTH HAZARD INFORMATION

The potential health hazards are related to dust generated from these materials during the use of power tools and sanding. Inhaling dust liberated from BGC Fibre cement may aggravate pre-existing respiratory conditions. The intact BGC Fibre cement does not give off dust or fume during installation or when installed. However, cutting, breaking, drilling or sawing the boards may generate dust.

Health Effects – Acute

SWALLOWED	Unlikely to occur, however may result in symptoms of acute indigestion.
EYE	Excessive dust may cause eye irritation.
SKIN	The dust, particularly in association with heat and sweat, can cause irritation, but it is not absorbed through the skin.
INHALED	Inhaled dust may cause nasal, throat and lung irritation, symptomatic through excess mucus and coughing.

Health Effects – Chronic

INHALED	If respirable crystalline silica levels are not controlled, repeated exposure to excessive dusts of fibre cement products could result in the chronic lung disease Silicosis. However, if the practices noted in this MSDS are followed during cutting and sanding, exposure to airborne dusts should be within recommended occupational exposure standards and no long-term effects are expected.
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First Aid

SWALLOWED	Give copious amounts of water to drink.
EYE	Flush thoroughly with flowing water for at least ten minutes. If symptoms persist, seek medical attention.
SKIN	Wash thoroughly with soap and water.
INHALED	Remove to fresh air.
ADVICE TO DOCTOR	Treat symptomatically.

5 - PRECAUTIONS FOR USE

EXPOSURE STANDARDS	<p>BGC Fibre Cement has adopted the following maximum exposure limits, corresponding to the limits set out by the CoA, NOHSC; Exposure Standards for Atmospheric Contaminants in the Occupational Environment:-</p> <ul style="list-style-type: none"> • Calcium silica: 10 mg/m³ time-weighted average (TWA) as inspirable dust • Cellulose: 10 mg/ m³ TWA as respirable dust • Crystalline silica (quartz): 0.1 mg/ m³ TWA as respirable dust • Aluminium Trihydroxide: 10 mg/m³ time-weighted average as inspirable dust <p>BGC Fibre Cement recommends keeping exposures to dust as low as practicable and work in a well-ventilated space.</p>
ENGINEERING CONTROLS	<p>No dust is generated, unless the fibre cement is cut. Keep exposures to dust as low as practicable, preferably below 5 mg/m³ TWA (time-weighted average) of inspirable dust, to prevent respiratory discomfort. Work in the open air or near external openings in the building, for adequate ventilation. Where dust is generated, in confined spaces, local mechanical ventilation should be used, to direct the dust away from the work areas. Personal protective equipment should be used in confined spaces and where dust levels exceed the maximum levels. Use safe work practices to minimize dust release and exposure. Clean work areas regularly by wet sweeping or vacuuming with a HEPA filtered vacuum.</p>

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5 - PRECAUTIONS FOR USE (cont.)

VENTILATION	Where safe work practices, adequate engineering and material handling controls are in place, ventilation is not normally required. Use local mechanical ventilation and or dust extraction in confined areas and where dust could escape into the working environment.
TOOLS AND EQUIPMENT;- REPAIR / MAINTENANCE	Vacuum and or wipe down all tools and equipment prior to maintenance and repair work. Avoid compressed air cleaning where possible, and wear eye and respiratory protection, and clothing as listed below.
PERSONAL PROTECTION	Use personal safety protection at all times.
SKIN PROTECTION	Avoid direct skin contact with fibre cement products. Wear loose appropriate clothing, such as long sleeved shirts and long trousers, head protection and standard duty leather or equivalent gloves, which comply with Australian Standard AS 2161: Industrial Safety Gloves and Mittens. Wash work clothes regularly and do not shake out dust.
EYE PROTECTION	Wear dust resistant non-fogging safety goggles or glasses, which comply with Australian and New Zealand Standard AS/NZS 1336: Recommended Practices for Eye Protection.
RESPIRATORY PROTECTION	Where safe work practices, adequate engineering and material handling controls are in place and used none may be required. However, BGC Fibre Cement suggests that L or M particulate respirator (dust mask), which comply with Australian and New Zealand Standard AS/NZS 1715: Selection, Use and Maintenance of Respiratory Protective Devices, and Australian and New Zealand Standard AS/NZS 1716: Respiratory Protective Devices when Exposed to Dust), be used at all times.
PERSONAL HYGIENE	Do not smoke whilst handling and working with fibre cement. Wash dust from skin with mild soap and water after working with fibre cement.
FLAMMABILITY	Fibre cement products are non-combustible and non-flammable

6 - SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT	Fibre cement sheets should be stored flat and level in a covered dry area. Lift, handle and carry fibre cement sheets on edge. All lifting should be done with a straight back and bent knees. No other special transport requirements are necessary.
SPILLS AND DISPOSAL	Use wet sweeping and/or vacuuming to clean up dust and waste. Bagged waste should be placed in containers and disposed of with other construction waste in accordance with local authority guidelines.
FIRE/EXPLOSION HAZARD	-
SMOKING AND OTHER DUST	Smoking and inhalation of airborne particulates from other sources may increase the risk of lung disease. Work areas and storage areas should be deemed smoke-free zones.

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BGC Fibre Cement, Material Safety Data Sheet (MSDS) is issued in accordance with the CoA, NOHSC Guidelines and any information contained herein must not be altered, deleted or amended.
BGC Fibre Cement reserves the right to amend, publish and issue a new MSDS for any changes in NOHSC Guidelines and Regulations, product materials and / or specifications.
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BGC Fibre Cement advises the user should seek guidance, if any uncertainty arises from the information, meaning and or interpretation of the BGC Fibre Cement MSDS sheets.

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