

MATERIAL SAFETY DATA SHEET

Rokcore Panels

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product name: Rokcore Panels
Applicable In: Australia
Other Names: Rokcore Products
Recommended use: Prefabricated panels that provide thermal and acoustic insulation, fire protection and energy conservation. Used as external and internal walls and ceilings in public and commercial buildings, warehouses, cool rooms, food processing plants and industrial plants.
Company: CSR Building Products Limited ABN 55 008 631 356
Address: 9 Help Street Chatswood NSW 2067 Australia
Telephone: 1800 807 668 (available in Australia only)
Facsimile: +61 2 9372 5463
Website: www.bradcore.com.au
Email: bradcore@csr.com.au
Emergency Phone Number: Poisons Information Centre 13 11 26 (available in Australia only)

This Material Safety Data Sheet (MSDS) is issued by the Supplier in accordance with the Code and guidelines from the Australian Safety and Compensation Council (ASCC, formerly National Occupational Health and Safety Commission -NOHSC). The information in it must not be altered, deleted or added to. The Supplier will not accept any responsibility for any changes made to its MSDS by any other person or organization. The Supplier will issue a new MSDS when there is a change in product specifications and/or ASCC standards, guidelines, or regulations.

SECTION 2: HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE: classified as **Non Hazardous** according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC:1008] 3rd Edition.

Rokcore Panels are classified as **Non-Dangerous Goods** according to the Australian Code for the Transport of Dangerous Goods by Road and Rail. When cut or abraded dust may be created containing fibres and particles. Dust from these products is classified as **Hazardous**. Some fibres and particles may be respirable (particles small enough to go into the deep parts of the lung when breathed in). The following risk and safety phrases apply to the dust from Rokcore Panels:

Risk Phases	Safety Phases
R36/37/38: Irritating to eyes, respiratory system and skin.	S22: Do not breathe dust
	S24/25: Avoid contact with skin and eyes
	S36/37/39: Wear suitable protective clothing, gloves and eye/face protection

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Panels constructed with a layer of stonewool insulation sandwiched between two layers of steel sheeting.

Chemical Name:	Proportion:	CAS Number:
Bio-soluble rock fibre (stonewool)	~95%	65997-17-3
Phenol formaldehyde resin - Heat cured	<5%	25104-55-6
Paraffin Oil - Solvent refined mineral oil	<2%	8012-95-1
Steel (facings)	Not available	-

Bio-soluble stonewool consists of amorphous (non-crystalline) fibres and particles. The resin and solvent refined mineral oils bind the fibres and particles together and minimise the release of dusts. The final product contains less than 0.1% free formaldehyde and phenol. The cured resin is stable and will remain intact for the life of the product under normal atmospheric conditions.

SECTION 4: FIRST AID MEASURES

Swallowed: Rinse the lips and mouth with water, give water to drink, and seek medical attention.

Eye: Flush with copious amounts of water. If symptoms persist seek medical attention.

Skin: Wash thoroughly with soap and water and, if itching persists, seek medical attention. Launder clothing before reuse.

Inhaled: Remove to fresh air. If symptoms persist seek medical attention.

Notes to doctor: Dust of this product is a mechanical irritant, and is not expected to produce any chronic health effects from acute exposures. Treatment should be directed toward removing the source of irritation with symptomatic treatment as necessary.

SECTION 5: FIRE FIGHTING MEASURES

Flammability: This product is non flammable.

Suitable extinguishing media: Use extinguishing media (e.g. carbon dioxide, water, foam or dry chemical) and equipment as required by fire in surrounding materials.

Hazards from combustion products: None

Special protective precautions and equipment for fire fighters: None

Hazchem Code: None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: If product is damaged, seal and minimise fibre release. Personnel directly involved in the clean up should wear protective equipment as described in Section 8 to prevent skin and eye contamination. Clean area using vacuum cleaner or wet sweep. Reuse where possible or place in a sealable plastic bag for disposal to an approved landfill.

SECTION 7: HANDLING AND STORAGE

Handling: Handling, installing or removing product may generate small amounts of dust, particularly if the product requires cutting.

Storage: Store in cool, dry area. Ensure packages are adequately labelled, protected from physical damage and sealed when not in use.

Incompatibilities: None

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

This product, once installed, does not release dust or fibres and does not cause any health effects. .

Exposure Standards: **National Occupational Exposure Standard (NES) Australian Safety and Compensation Council, ASCC** (formerly NOHSC)

The following applies to dust and fibres from this product:

Exposure to dust should be kept as low as practicable, and below the following NES. Synthetic Mineral Fibres 0.5 f/ml time-weighted average (TWA) for respirable fibres and/or 2.0mg/m³ for inspirable dust .

Total dust (of any type, or particle size): 10 mg/m³ TWA.

Engineering Controls: During most applications and installation of this product, no special ventilation will be required. However, if dusty, or in poorly ventilated areas, or during the first heat-up cycle in high-temperature installations, local exhaust ventilation should be considered. Work practices should aim to minimise the release of, and exposure to, fibres and/or dust. Hand tools generate the least amount of dust and fibres. If power tools are used directly on the product appropriate dust collection systems are recommended. Work areas should be cleaned regularly and vacuuming or wet sweeping is recommended.

Ventilation:

Personal Protection

Skin Protection: Direct skin contact can be minimised by wearing long sleeved shirts and long trousers, a cap or hat, and standard duty gloves conforming to Australian Standard AS 2161. Work clothes should be washed regularly and separately from other clothes.

Eye Protection: When handling Rokcore Panels, particularly handling it overhead or in enclosed or poorly ventilated areas such as ceiling spaces or risers eye contact with dust or fibre can be avoided by wearing ventilated non-fogging dust resistant goggles conforming to Australian and New Zealand Standards AS/NZS 1336.

Respiratory Protection: When handling Rokcore Panels, particularly during dusty work in enclosed or poorly ventilated areas, an approved particulate respirator conforming to Australian and New Zealand Standards AS/NZS 1715 and 1716 is recommended. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly, and kept in clean storage when not in use.

Personal Hygiene: Washing of exposed skin with soap and water at the end of a shift is recommended.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Painted tile/panel
Odour:	None
pH, at stated concentration:	Not determined
Vapour pressure:	Not determined
Vapour Density:	Not determined
Boiling Point/range: (°C)	Not determined
Freezing/Melting Point: (°C)	Not applicable
Solubility in water:	Insoluble
Solubility (Other):	Not applicable
Specific gravity: (H₂O = 1)	0.3 to 0.4
Evaporation Rate:	Not applicable
Flammability Limits:	Not applicable
Flash Point:	Not applicable
Explosive Properties:	Not flammable

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Incompatible Materials:	None
Conditions to avoid:	Dust generation
Hazardous Decomposition products:	None
Hazardous Polymerisation:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data

Specific toxicity information for these products is not available, but consideration of the ingredients indicates a low toxicity with LD₅₀ >2000 mg/Kg

GUAR GUM (9000-30-0) LD₅₀ (Ingestion) : 6000 mg/kg (Hamster)

Health Effects

Acute (short term).

Swallowed: Unlikely under normal conditions of use, but would result in irritation of the lips, mouth and stomach.

Eye: If dust gets into the eyes may cause eye discomfort resulting in watering and redness. Exposure to dust may aggravate pre-existing eye conditions.

Skin: Dust from cutting or destruction of product may irritate the skin resulting in itching and occasionally a red rash. The rash is not allergic and usually disappears quickly..

Inhaled: The dust may cause discomfort of the nose, throat and respiratory tract, especially in those suffering from upper respiratory or chest complaints such as hay fever asthma or bronchitis.

Chronic: There are no known long term health effects. Bradford FBS-1 rock wool insulation fibres have been tested in laboratory studies according to EC protocols ECB/TM26:27REV.7 1998 and shown to be bio-soluble, i.e. any fibres inhaled into the lungs dissolve in body fluids and are then cleared from the lungs. Fibres would comply with the short term bio-persistence test (in note Q of NOHSC:10005(1999) published by ASCC (formerly NOHSC)) and fulfill the requirements of Australian and international authorities on bio-solubility. ASCC/NOHSC and international authorities do not classify mineral wool fibres with high bio-solubility as carcinogenic.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No adverse environmental effects would be expected if this product were accidentally released in the water or soil. No harm to fish or wildlife would be caused by this product. Contains no ozone-depleting chemicals. This product is not classified as a hazardous air pollutant. Limited ecotoxicity data available for this product indicates that the product is stable and migration in soil is minimal.

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

Rokcore Panels can be treated as a common waste for disposal or dumped into a landfill site in accordance with local authority guidelines.

Measures should be taken to prevent dust generation during disposal and exposure and personal precautions should be observed (see Section 8 above).

SECTION 14: TRANSPORT INFORMATION

Transport Requirements:	No special transport requirements are necessary.
UN number:	None allocated
Class:	None allocated
Subsidiary Risk 1:	None allocated
Packaging Group:	None allocated
Hazchem code:	None allocated
DG Class:	None allocated
EPG:	None
Incompatibilities:	None
Proper Shipping Name:	None allocated
Marine Pollutant:	No

SECTION 15: REGULATORY INFORMATION

Poisons Schedule: None scheduled

SECTION 16: OTHER INFORMATION

Emergency Contact Number: Poisons Information Centre 13 11 26

For further information on this product, please contact the following:

CSR Building Products Limited (ABN 55 008 631 356),

9 Help Street , Chatswood NSW 2067, Australia.

Phone +61 2 9235 8000 or 1800 807 668 (available in Australia only). Fax +61 2 9372 5819.

Additional information:

Australian Standards References:

AS/NZS 1336 Recommended Practices for Occupational Eye Protection.

AS/NZS 1715 Selection, Use and Maintenance of Respiratory Protective Devices.

AS/NZS 1716 Respiratory Protective Devices.

AS 2161 Industrial Safety Gloves and Mittens (excluding electrical and medical gloves).

National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition [NOHSC:2011(2003)], April 2003, National Occupational Health and Safety Commission.

Authorised by: CSR Building Products Limited.

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END OF MSDS