

MATERIAL SAFETY DATA SHEET

Bastion Multipurpose

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Bastion Multipurpose
Other Names:	n/a
Product Codes/Trade Names:	n/a
Recommended Use:	Patching compound and flush jointing
Applicable In:	Australia
Supplier:	CSR Building Products Limited ABN 55 008 631 356
Address:	Triniti 3, 39 Delhi Road, North Ryde, NSW 2113, Australia
Telephone:	+61 2 9235 8000 (or 1800 807 668 (available in Australia only))
Email Address:	http://www.csr.com.au/Pages/Contact-Us.aspx
Web Site:	www.csr.com.au
Facsimile:	+61 2 9372 5819
Emergency Phone Number:	000 Fire Brigade and Police (available in Australia only)
Poisons Information Centre:	13 11 26 (available in Australia only)

This Material Safety Data Sheet (MSDS) is issued by the Supplier in accordance with National standards 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, codes, guidelines, or Regulations.

SECTION 2: HAZARD IDENTIFICATION

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

Vinyl-Based Plasterboard Jointing Compounds are classified as **Non-Dangerous** Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

Cutting, breaking, drilling, sawing, grinding and finishing dried materials may generate dust which is classified as **Hazardous**. The following Risk and Safety phrases apply to airborne dust of this product:

Risk Phrases	Safety Phrases
R21/22: Harmful in contact with skin and if swallowed.	S22: Do not breathe dust.
R48/20: Danger of serious damage to health by prolonged exposure to dust through inhalation.	S24/25: Avoid contact with skin and eyes.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

MSDS Reference: CSR-MSDS-157

Date Issued: 6/02/2012



Chemical Name:	Synonyms:	Proportion:	CAS Number:
Calcium carbonate	n/a	40-90%	1317-65-3
Water	n/a	<45%	7732-18-5
Talc	n/a	<25%	14807-96-6
Perlite	n/a	<6%	93763-70-3
Mica	n/a	<5%	12001-26-2
Polyvinyl acetate	n/a	<4%	9003-20-7
Starch	n/a	<3%	9005-25-8
Silica, crystalline	Quartz, Sand	<2%	14808-60-7
Polyvinyl alcohol	PVA	<2%	9002-89-5
Cellulose ether	n/a	<2%	9004-65-3
Attapulgate	n/a	<2%	12174-11-7

SECTION 4: FIRST AID MEASURES

The following applies to dust from this product:

Swallowed:	Rinse mouth and lips with water. Do not induce vomiting. If symptoms persist, seek medical attention.
Eyes:	Flush thoroughly with flowing water, while holding eyelids open, for 15 minutes to remove all traces. If symptoms such as irritation or redness persist, seek medical attention.
Skin:	Remove heavily contaminated clothing. Wash off skin thoroughly with water. Use a mild soap if available. Shower if necessary. Seek medical attention for persistent redness, irritation or burning of the skin.
Inhaled:	Remove to fresh air, away from dusty area. If symptoms persist, seek medical attention.
Advice to Doctor:	Treat symptomatically.

SECTION 5: FIRE FIGHTING MEASURES

Flammability:	Non-flammable
Suitable extinguishing media:	Use carbon dioxide, foam, dry chemical or water spray to extinguish, as required for fire in surrounding materials.
Hazards from combustion products:	None
Special protective precautions and equipment for fire fighters:	As required for fire in surrounding materials.
HAZCHEM Code:	None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Emergency Procedure:	Wear protective equipment if required to prevent skin and eye contamination.
Containment Procedure:	Do not allow this product to enter drains, storm water systems or waterways.
Clean Up Procedure:	Dust and waste should be cleaned up by bagging, wet sweeping and/or vacuuming.

SECTION 7: HANDLING AND STORAGE

Handling:	Manual handling should be in accordance with Manual Handling Regulations and Codes.
Storage:	This product should be stored in its factory packaging in a dry area.
Incompatibilities:	Incompatible with acids (e.g. sulfuric acid), fluorine, aluminium (hot) and ammonium salts.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	<p>National Occupational Exposure Standard (NES), Australian Safety & Compensation Council, ASCC (formerly NOHSC)</p> <p>Crystalline silica: TWA - 0.1 mg/m³ as respirable dust (\leq 7 microns particle equivalent aerodynamic diameter)</p> <p>Mica: TWA -2.5 mg/m³ as inspirable dust</p> <p>Talc: TWA -2.5 mg/m³ as respirable dust</p> <p>Total dust (of any type, or particle size): TWA -10 mg/m³</p>
Notes on Exposure Standards:	<p>All occupational exposures to atmospheric contaminants should be kept to as low a level as is workable (practicable) and in all cases to below the National Standard.</p> <p>TWA (Time Weighted Average): the time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. According to current knowledge this concentration should neither impair the health of, nor cause undue discomfort to, nearly all workers.</p>
Biological Limit Values:	No biological limit allocated.
ENGINEERING CONTROLS	
<input type="checkbox"/> Ventilation:	Work in the open air and external openings (such as doors and windows in buildings) which generally provides adequate ventilation. Local mechanical ventilation or extraction may be required to control airborne dust levels. Hand tools generate less dust when cutting, drilling or sanding. If power tools are used they should be fitted with efficient and well maintained dust extraction devices. If generated dust cannot be avoided, follow personal protection recommendations.
<input type="checkbox"/> Special Consideration for Repair &/or Maintenance of Contaminated Equipment:	Where possible vacuum or wash down all gear, equipment or mobile plant prior to maintenance and repair work. If compressed air cleaning cannot be avoided, recommendations on Exposure Control and Personal Protection should be followed.
PERSONAL PROTECTION	
<input type="checkbox"/> Personal Hygiene	Wash work clothes regularly. Wash hands before eating, drinking, using the toilet, or smoking.
<input type="checkbox"/> Skin Protection:	Wear loose comfortable clothing. Direct skin contact should be avoided by wearing long sleeved shirts and long trousers, a cap or hat, and gloves (standard duty leather or equivalent AS 2161).
<input type="checkbox"/> Eye Protection:	Ventilated non-fogging goggles (dust resistant AS/NZS 1336) should be worn when working in a dusty environment.
<input type="checkbox"/> Respiratory Protection:	None required if engineering and handling controls are adequate. Where engineering and handling controls are not enough to minimise exposure to total

	dust and to respirable crystalline silica, personal respiratory protection may be required. The type of respiratory protection required depends primarily on the concentration of the respirable crystalline silica dust in the air, and the frequency and length of exposure time. Amount of exertion required during the work, and personal comfort are other considerations in choice of respirator. A suitable P1 or P2 particulate respirator chosen and used in accordance with AS/NZS 1715 and AS/NZS 1716 may be sufficient for many situations, but where high levels of dust are encountered, more efficient cartridge-type or powered respirators or supplied-air helmets or suits may be necessary. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly, and kept in clean storage when not in use.
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SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	White to off-white powder or light brown paste
Odour:	Slight glue odour
pH, at stated concentration:	7.5-8.5
Vapour Pressure:	Not determined
Vapour Density:	Not determined
Boiling Point/Range (°C):	Not determined
Freezing/Melting Point (°C):	Not determined
Solubility in water:	Insoluble
Specific Gravity (H₂O = 1):	1.1-2.5
FLAMMABLE MATERIALS	
<input type="checkbox"/> Flash Point:	Not applicable
<input type="checkbox"/> Flash Point Method:	Not applicable
<input type="checkbox"/> Flammable (Explosive) Limit - Upper:	Not applicable
<input type="checkbox"/> Flammable (Explosive) Limit - Lower:	Not applicable
<input type="checkbox"/> Autoignition Temperature:	Not applicable
ADDITIONAL PROPERTIES	
<input type="checkbox"/> Evaporation Rate:	Not applicable
<input type="checkbox"/> % Volatiles:	traces
<input type="checkbox"/> Volatile Organic Compounds Content (VOC): (as specified by the Green Building Council of Australia)	traces

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Incompatible Materials:	Incompatible with acids (e.g. sulfuric acid), fluorine, aluminium (hot) and ammonium salts.
Conditions to avoid:	Dust generation

Hazardous Decomposition Products:	When heated to decomposition it may emit carbon dioxide, acrid smoke and irritating fumes.
Hazardous Reactions:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Health Effects: Acute (short term)

Swallowed:	Unlikely under normal conditions of use, but swallowing the powder and dust may result in abdominal discomfort.
Eyes:	Dust is irritating to the eyes causing watering and redness. Exposure to dust may aggravate pre-existing eye conditions.
Skin:	The powder and dust, particularly in association with heat and sweat, may cause irritation, but product is not absorbed through the skin.
Inhaled:	The powder and dust may cause irritation of the nose, throat and lungs resulting in excess mucus and coughing.

Health Effects: Chronic (long term)

Skin:	Repeated heavy contact with the dust may cause drying of the skin and can result in skin rash (dermatitis) typically affecting the hands. Over time this may become chronic and can also become infected.
Inhaled:	Repeated exposure to the dust may result in increased nasal and respiratory secretions and coughing. Inflammation of lining tissue of the respiratory system may follow repeated exposure to high levels of dust with increased risk of bronchitis and pneumonia.

Additional Notes

Long Term Effects:	Long term occupational over-exposure or prolonged breathing-in (or inhalation) of crystalline silica dust at levels above the NES carries the risk of causing serious and irreversible lung disease, including bronchitis, and silicosis (scarring of the lung), including acute and/or accelerated silicosis. It may also increase the risk of other irreversible and serious disorders including scleroderma (a disease affecting the skin, joints, blood vessels and internal organs) and other auto-immune disorders. ASCC/NOHSC has not classified crystalline silica as a carcinogen.
Special Toxic Effects:	Inhalation of dust, including crystalline silica dust, is considered by medical authorities to increase the risk of lung disease due to tobacco smoking.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:	The physical and chemical nature of the product, and toxicological data on ingredients, indicate that this product is a relatively low risk.
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

Product should be placed in containers and 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).

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SECTION 14: TRANSPORT INFORMATION

Proper Shipping Name:	None allocated
UN number:	None allocated
DG Class:	None allocated
Subsidiary Risk 1:	None allocated
Packaging Group:	None allocated
HAZCHEM code:	None allocated
Marine Pollutant:	No
Special Precautions for User:	None

SECTION 15: REGULATORY INFORMATION

Poisons Schedule:	Not scheduled
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SECTION 16: OTHER INFORMATION**For further information on this product, please contact:**

CSR Building Products Limited (ABN 55 008 631 356), Trinita 3, 39 Delhi Road, North Ryde, NSW 2113, Australia

Phone: +61 2 9372 5888 or 1800 807 668 (available in Australia only)

Fax: +61 2 9372 5877

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)

Other References:

NOHSC:2011(2003)	National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition, April 2003, National Occupational Health and Safety Commission.
NOHSC:10005(1999)	List Of Designated Hazardous Substances, April 1999, National Occupational Health and Safety Commission, Sydney.
NOHSC:2007(1994)	National Code of Practice for the Control of Workplace Hazardous Substances (Australian States have similar Codes of Practice in each State).
NOHSC: 2012(1994)	National Code of Practice for the Labelling of Workplace Substances, March 1994, Australian Government Publishing Service, Canberra.
NES	National Occupational Exposure Standards for Workplace Atmospheric Contaminants (NES) Australian Safety and Compensation Council, ASCC (formerly NOHSC) 1995 as amended.
ADG Code	Australian Dangerous Goods Code 6 th Edition.

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AUTHORISATION

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END OF MSDS

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