

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	CEMINTEL Columns and Capitals
Other Names:	Architectural columns and capitals, Cemintel Quad II Column Capital, Cemintel Twin Column Capital
Product Codes/Trade Names:	N/A
Recommended Use:	Columns used as building structures, suitable for indoor and outdoor use in non-loadbearing and loadbearing applications. Capitals used to dress the head and base of columns.
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/Common/Contactus.asp
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** according to the criteria of the Australian Safety and Compensation Council ASCC (formerly NOHSC) Approved Criteria For Classifying Hazardous Substances [NOHSC:1008] 3rd Edition.

CEMINTEL Columns and Capitals 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 may generate wood dust which is classified as **Hazardous**. The following Risk and Safety phrases apply to airborne dust of this product:

Risk Phrases	Safety Phrases
R36/37/38: Irritating to eyes, respiratory system and skin.	S22: Do not breathe dust.
R66: Repeated exposure may cause skin dryness or cracking.	S24/25: Avoid contact with skin and eyes.
	S36/37/39: Wear suitable protective clothing, gloves



	and eye/face protection.
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SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Synonyms:	Proportion:	CAS Number:
Cellulosic fibres	Wood fibre	60-80%	9004-34-6
Polypropylene		20-40%	9003-07-0
Carboxylated polypropylene (included in above)		0-1.5%	25722-45-6
Colour pigment RAL Masterbatch Grey 1081		0-3%	----

Solid building material comprised of wood chip particles, embedded in solid polypropylene, coated with a polysiloxane plastic finish. Cemintel Columns and Capitals are extruded solid articles which consist of a high percentage of natural wood fibre and polypropylene which serves as binder, blended and processed to a temperature reaching at least 140°C.

Wood fibre: Natural wood fibre from softwood trees, e.g. Pine (*Picea abies*), and some hardwood, e.g. Rubber Tree (*Ficus elastica*). Chemically, wood fibre contains Alfa Cellulose & Pentosans (80%) and Lignin (20%), Mesh size 30-40.

Surface Coatings: Water Based Primer – UNAXOL PVC Sealer. Rapid two-part component water-based modified polysiloxane. Wet thickness: 100 microns; dry thickness: 40-50 microns.

Dust from cutting, machining or sanding of Cemintel Columns and Capitals contains wood dust and polypropylene and may contain dust of polysiloxane plastic coating. Some respirable dust may be generated dependent on methods of abrasion of the solid product.

SECTION 4: FIRST AID MEASURES

Swallowed:	Wash mouth with water. Give plenty of water to drink. Do not induce vomiting. Seek medical advice if symptoms persist.
Eyes:	Flush thoroughly with flowing water for 15 minutes to remove all traces. If symptoms or irritation persist, seek medical attention.
Skin:	Wash with soap and water.
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. Product is combustibile in fire situation.
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:	Under conditions of fire and combustion of product, dense acrid smoke may be emitted which is highly irritant and contains carbon monoxide.
Special protective precautions and equipment for fire fighters:	As for any fire involving wood and polypropylene.
HAZCHEM Code:	None

SECTION 6: ACCIDENTAL RELEASE MEASURES

CSR SDS Reference: LWS-SDS-022

Date Issued: 1/09/2010

None applicable. See section 13.

SECTION 7: HANDLING AND STORAGE

Handling:	Manual handling of columns should be in accordance with Manual Handling Regulations and Codes.
Storage:	Store in dry conditions.
Incompatibilities:	None

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

National Exposure Standards:	<p>National Occupational Exposure Standard (NES), Australian Safety & Compensation Council, ASCC (formerly NOHSC)</p> <p>Wood dust (softwood): TWA - 5 mg/m³ STEL - 10mg/m³ Notices - Sen</p> <p>Wood dust (hardwood): TWA - 1 mg/m³ Notices – Sen</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> <p>STEL (Short Term Exposure Limit): the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour work day.</p> <p>Sen Notice: Substance can cause specific immune response in some people ("sensitisation"), causing skin rash or asthma, even when exposure is minimal.</p>
Biological Limit Values:	No biological limit allocated.
ENGINEERING CONTROLS	
<input type="checkbox"/> Ventilation:	Work with these products should be carried out in such a way as to minimise the generation of and exposure to dust. No mechanical ventilation required unless large amounts of dust are generated in areas with poor natural ventilation. Work with power tools generating dust may need to be done under powered extraction ventilation to avoid exposure of operators to fine dust.
<input type="checkbox"/> Special Consideration for Repair &/or Maintenance of Contaminated Equipment:	Recommendations on Exposure Control and Personal Protection should be followed.
PERSONAL PROTECTION	
<input type="checkbox"/> Personal Hygiene	Wash skin with mild soap and water immediately after working with these materials. Wash work clothes regularly. Wash hands before eating, drinking, using the toilet, or smoking.
<input type="checkbox"/> Skin Protection:	Where dust is generated wear protective standard duty leather or equivalent gloves (AS 2161), loose comfortable clothing, and boots. Long-sleeved shirts and long trousers are recommended if skin irritation occurs.
<input type="checkbox"/> Eye Protection:	If dust is generated, wear eye protection conforming with Australian & New

	Zealand Standards (AS/NZS 1336).
<input type="checkbox"/> Respiratory Protection:	If dust is generated, wear a P1 or P2 respirator suitable for particulates conforming with Australian & New Zealand Standards AS/NZS 1715 and AS/NZS 1716 in regard to selection, fit-testing, use & maintenance. Use only respirators that bear the Australian Standards mark and are fitted and maintained correctly, and kept in clean storage when not in use.
<input type="checkbox"/> Thermal Protection:	None should be needed under normal circumstances.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Dense solid structure in form of columns and capitals
Odour:	Non-specific odour
pH, at stated concentration:	Not applicable
Vapour Pressure:	Not applicable
Vapour Density:	Not applicable
Boiling Point/Range (°C):	Not applicable
Melting Point (°C):	Above 165°C (polypropylene component)
Solubility in water:	Not applicable
Specific Gravity (H₂O = 1):	Not applicable
FLAMMABLE MATERIALS	
<input type="checkbox"/> Flash Point:	Above 350°C
<input type="checkbox"/> Flash Point Method:	Closed cup
<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:	0%
<input type="checkbox"/> Volatile Organic Compounds Content (VOC): (as specified by the Green Building Council of Australia)	0%

SECTION 10: STABILITY AND REACTIVITY

Chemical Stability:	Stable
Incompatible Materials:	None
Conditions to avoid:	None
Hazardous Decomposition Products:	None

Hazardous Reactions:	None
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SECTION 11: TOXICOLOGICAL INFORMATION

Toxicology data: No specific toxicology data available for this product. Polypropylene/Wood dust mixture of this type and its polysiloxane water-based plastic coating would be expected to be of very low toxicity with LD50 >10,000mg/Kg.

The following applies to dust from this product arising following cutting, sanding or machining of the solid product. The 1/9/2010 product as delivered is Non-Hazardous. Any risks to health arise only when dust is generated and breathed in, or contaminates the skin. Risk to health arises only from the wood dust component which may be irritant or allergenic (sensitizing) or carry risk of cancer, depending on types of wood used to make up product. The wood fibre/polypropylene mix product is manufactured at temperatures well above 100°C, under conditions of very high pressure, and is free from living insects, larvae, eggs or fungi, and is bacteriologically sterile at the time of production.

Health Effects: Acute (short term)

Swallowed:	Unlikely under normal conditions except in very minor amounts. Swallowing large quantity of dust may cause nausea.
Eyes:	The dust from this product may be irritating to the eyes resulting in redness and watering.
Skin:	Dust from cutting sawing or sanding of this product may cause skin irritation and dermatitis and may exacerbate existing skin disorders.
Inhaled:	Inhalation of high levels of dust from these products may be irritating to the upper respiratory tract and may aggravate or cause hay fever and asthma in susceptible persons.

Health Effects: Chronic (long term)

Skin:	Repeated and heavy skin contact with any wood dust may result in skin irritation and in some people may lead to skin sensitization, dermatitis or skin infection. Polypropylene and polysiloxane plastic dust is not known to give rise to any health risks.
Inhaled:	Risks of respiratory effects such as irritation, bronchitis or allergic asthma may arise from breathing in high levels of any wood dust. Increased complaints of cough may occur in persons who repeatedly inhale the dusts. All wood dust derived from hardwoods is classified as carcinogenic by ASCC and inhalation of hardwood dust carries risk of causing cancers including cancer of the nasal sinuses. There is epidemiological evidence from Australia and overseas studies of cancer risk to workers exposed to wood dust. This product is mostly softwood but may include a small proportion of hardwood.

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 contains wood fibre and particles which are biodegradable, and polypropylene which is relatively persistent solid waste.
Mobility:	A low mobility would be expected in a landfill situation.

SECTION 13: DISPOSAL CONSIDERATIONS

Reuse material, or dispose of in accordance with local authority guidelines.

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), Triniti 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.

AUTHORISATION

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END OF MSDS