



CSR MATERIAL SAFETY DATA SHEET

Ecophon Acoustic Ceiling and Wall Panels

SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name:	Ecophon Acoustic Ceiling and Wall Panels
Other Names:	Ecophon Focus, Ecophon Master, Ecophon Combison, Ecophon Gedina, Ecophon Access, Ecophon Advantage, Ecophon Sombra, Ecophon Hygiene, Ecophon Super G, Ecophon Wall Panel
Product Codes/Trade Names:	n/a
Recommended Use:	Interior linings for walls and ceilings
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.

Ecophon Acoustic Ceiling and Wall Panels are classified as **Non-Dangerous** Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name:	Synonyms:	Proportion:	CAS Number:
Fibrous glasswool (biosoluble)	n/a	70-95%	65997-17-3
Phenol formaldehyde resin (cured)	n/a	3-15%	25104-55-6
Adhesive(s)	n/a	<10%	-
Coating agent	n/a	Not available	-

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SECTION 4: FIRST AID MEASURES

Swallowed:	Rinse the lips and mouth with water, give water to drink, and seek medical attention.
Eyes:	Flush with copious amounts of water. If symptoms persist seek medical attention.
Skin:	Sluice with water and, if itching persists, seek medical attention.
Inhaled:	Remove to fresh air. If symptoms persist seek medical attention.
Advice to Doctor:	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:	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:	Resin binders and facings may decompose, smoulder or burn in fire situation or if heated over 300°C.
Special protective precautions and equipment for fire fighters:	As required for fire in surrounding materials.
HAZCHEM Code:	None

SECTION 6: ACCIDENTAL RELEASE MEASURES

Containment Procedure:	If product is damaged, seal and minimise fibre release.
Clean Up Procedure:	Clean area using approved micro-filter equipped vacuum cleaner or wet sweep. Reuse where possible or place in a sealable plastic bag for safe disposal to an approved landfill.

SECTION 7: HANDLING AND STORAGE

Handling:	Handling, installing or removing Ecophon Acoustic Ceiling and Wall Panels may generate small amounts of dust, particularly if the panels require cutting. Once installed, panels do not release dust or fibres. Manual handling should be in accordance with Manual Handling Regulations and Codes.
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

National Exposure Standards:	<p>National Occupational Exposure Standard (NES), Australian Safety & Compensation Council, ASCC (formerly NOHSC)</p> <p>None allocated for this product.</p> <p>CSR recommends the following:</p> <p>Airborne respirable fibres: TWA - 0.5 fibres/ml</p>
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	<p>Non-respirable fibres (inspirable dusts): TWA - 2.0 mg/m³</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:	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.
<input type="checkbox"/> Special Consideration for Repair &/or Maintenance of Contaminated Equipment:	Work areas should be cleaned regularly and vacuuming or wet sweeping is recommended. Recommendations on Exposure Control and Personal Protection should be followed.
PERSONAL PROTECTION	
<input type="checkbox"/> Personal Hygiene	Work clothes should be washed regularly and separately from other clothes. Wash hands before eating, drinking, using the toilet, or smoking.
<input type="checkbox"/> 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.
<input type="checkbox"/> Eye Protection:	When handling Ecophon Acoustic Ceiling and Wall Panels, particularly 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.
<input type="checkbox"/> Respiratory Protection:	When handling Ecophon Acoustic Ceiling and Wall Panels, particularly during 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.
<input type="checkbox"/> Thermal Protection:	None should be needed under normal circumstances.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Solid panel
Odour:	Slight amine
pH, at stated concentration:	Approximately 7.4
Vapour Pressure:	Not determined

Vapour Density:	Not determined
Boiling Point/Range (°C):	Not determined
Freezing/Melting Point (°C):	>700°C
Solubility in Water:	Insoluble
Specific Gravity (H₂O = 1):	Variable
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:	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:	The cured resin binder is stable and will remain intact for the life of the product under normal atmospheric conditions.
Incompatible Materials:	No reported incompatibilities, however resin binders may be attacked by acidic, alkaline or solvent based substances.
Conditions to avoid:	Dust generation
Hazardous Decomposition Products:	None
Hazardous Reactions:	None

SECTION 11: TOXICOLOGICAL INFORMATION

Toxicity Data:

Phenol Formaldehyde Resin:

LC50 (Inhalation): 74 mg/m³ (mammal, phenol)

LD50 (Skin): 669 mg/kg (rat)

LD50 (Ingestion): 42 mg/kg (rat, formaldehyde)

Paraffin Oil:

LD50 (Ingestion): 22 g/kg (mouse)

Health Effects: Acute (short term)

Swallowed:	Unlikely under normal conditions of use, but would result in irritation of the lips, mouth and stomach.
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Eyes:	Products designed for high temperature applications (above 177°C) may release gases (CO ₂ , formaldehyde, amines) irritating to the eyes during initial heat-up. If dust gets into the eyes it may cause eye discomfort resulting in watering and redness. Exposure to dust may aggravate pre-existing eye conditions.
Skin:	Handling Ecophon Acoustic Ceiling and Wall Panels and its dust may irritate the skin resulting in itching and occasionally a red rash. The rash is not allergic and usually disappears quickly.
Inhaled:	Products designed for high temperature applications (above 177°C), may release gases (CO ₂ , formaldehyde, amines) irritating to the nose and throat during initial heat-up. 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.

Health Effects: Chronic (long term)

There are no known long term health effects. The glasswool fibre in this product is bio-soluble, i.e. any fibres inhaled into the lungs dissolve in body fluids and are then cleared from the lungs. The fibre has been shown to be bio-soluble in laboratory studies and complies with the short-term bio-persistence test in note Q of NOHSC:10005(1999) published by ASCC.

SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity:	Glasswool content is bio-soluble and in most ecosystems it would be expected to solubilise over a period of weeks to months. Glasswool is hydrophobic, therefore 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.
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

Ecophon Acoustic Ceiling and Wall Panels placed in sealed, appropriately labelled plastic bags 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

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), 9 Help Street, Chatswood NSW 2067, 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

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