



SAFETY DATA SHEET

Issue Date July, 2012

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PRODUCT NAME

ECO SILENT MAT

The information contained within this MSDS details health and safety hazard information of the product and how to safely handle and use the product in the workplace. Each user of this product should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact Construction Technologies Australia Pty Ltd. Construction Technologies Australia Pty Ltd makes no representation as to the completeness and accuracy of the data contained in this data sheet. It is the user's obligation to evaluate and use this product safely, and to comply with all relevant Federal, State and Local Government laws and regulations. Construction Technologies Australia Pty Ltd shall not be responsible for loss, damage or injury resulting from reliance upon or failure to adhere to any recommendation or information contained herein, from abnormal use of the material, or any hazard inherent in the nature of the material.

NON-Hazardous Substance, NON-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name:	ECO SILENT MAT
Recommended use:	ACOUSTIC UNDERLAY
Supplier:	Construction Technologies Australia Pty Ltd.
Street Address:	P.O. Box 218, Winston Hills, NSW 2153, Australia.
Telephone:	029674 1004
Facsimile:	02 9674 2002
Email:	info@ctaust.com.au

2. Hazards Identification

No regulations apply in relation to classification of this type of product.

Eco Silent Mat will burn when provided with enough heat and oxygen. Therefore do not expose the material to any flame, source of ignition or heat. Subject to reasonable care, and cleanliness there are no obvious problems associated with the handling.

3. COMPOSITION INFORMATION

Recycled rubber granules are the major material resource of Eco Silent acoustic underlay. After the initial process of eliminating feculences, the rubber granules are crushed and sieved, rubber granules are mixed with PU polymer and other materials. This process improves the products' acoustic performance and other physical features. Then, they are pressed and shaped into different densities required under high temperature and pressure in a specific mould.

4. First Aid Measures

Accidental ingestion of Eco Silent Mat (though non toxic) can cause obstruction and indigestion - seek medical advise. No Special Measures are needed for skin or eye contact.



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In the case of fire, all people must leave the fire site and avoid inhaling the smoke.
In case of fire, recycled rubber material will emit toxic smoke. So fire fighting is best left to professionals who are properly masked. If inadvertently inhaled, fresh air, water and possible artificial respiration (call a doctor immediately) are the recommended measures.
If body skin is burned by molten splatter, cool burned parts with water, but do not remove splatter from skin. Seek medical help immediately.

5. Fire Fighting Measures

Suitable Fire Extinguishing Mediums: Water Sprays, Foam Extinguishers, CO₂ Extinguishers & ABC Powder.

Proper protective glasses and clothing must be worn to prevent burn by the molten liquid splashing.
Use respiratory / oxygen masks in enclosed areas. Avoid dense smoke and do not inhale the smoke gasses from combustion. The gasses are mostly carbon dioxide, carbon monoxide and water vapour. Due to the nature of this material being all recycled rubber, the exact composition of gasses cannot be determined exactly, but it certainly contains toxic fumes that are hazardous and debilitating. Avoid inhalation.

6. Accidental Release Measures

Not applicable.

7. Handling and Storage

Eco Silent Mat is heavy and practice safe carrying methods. Though it is not toxic to handle, it is recommended that hands should be washed before handling of food.
Provide reasonable distance between stacks as a safety precaution.
Do not expose to any source of flame, ignition or heat.

8. Exposure Controls / Personal Protection

National occupational exposure limits: No value assigned for this specific material by the National Occupational Health and Safety Commission (NOHSC Australia).

9. Physical and Chemical Properties

Eco Silent Mat is a 5mm thick sheet, composed of granulated recycled rubber compressed and bonded with a polyurethane binder.

Odour:	Odour less in normal state
Softening range:	> 90 to 170 degrees C
Autoflammability:	> 300 degrees C
Thermal decomposition:	160 – 180 degrees C
Explosive properties	None



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Apparent Density	550 to 950 kg/m ³
Solubility in water:	Insoluble
Organic Solvents:	Mostly insoluble, but dependant on solvent type
Electrical Surface resistance:	> 1000 Ohms / square

10. Stability and Reactivity

Avoid high temperature greater than 160 degrees C for more than 10 minutes. Also avoid any contact with strong oxidising chemicals.

11. Toxicological Information

Constitute no hazard in terms of normal handling and skin contact.

12. Ecological Information

Environmentally harmless: Insoluble in water
Insoluble in most solvents
Degradable only by prolonged UV exposure

Ozone layer depleting substance: Eco Silent Mat is made from recycled rubber. The only component that is added to its manufacture is polyurethane polymers, which is produced within the EEC regulations 594/91, 3952/92, 93/C232/07.

13. Recycling & Disposal Considerations

- Re-use: Remnant material may be used as packaging material, insulation material, etc.
- Recycling: Eco Silent Mat could be re-granulated and be reused as recycled rubber granules either to be used in making pavers, tiles, bricks or into new sheets.
- Disposal: When disposing of any waste, observe all applicable national and local regulations. Eco Silent Mat may be disposed of by:
- Landfill:
Eco silent Mat is inert and does not degrade, it forms a permanent soil base and releases no gasses or chemicals know to pollute water resources.
 - Incineration:
Incineration with properly controlled municipal or industrial incineration systems. Rubber products such as Eco Silent Mat have high heat values and should only be incinerated in units designed to handle high combustion heat.



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14. Transportation

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous goods Code (ADG) for transport by Road and Rail.

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDB) Code for the transport by sea.

Air Transport

Not classified as dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

15. Regulatory Information

No regulations apply in relation to classification, packaging and identification, also applicable to health and environmental care.

16. Other Information

Literary reference

This Material Safety Data Sheet has been prepared by **Construction Technologies Australia Pty Ltd** on behalf of its client.

Reason(s) For Issue: First Issue

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since **Construction Technologies Australia Pty Ltd** cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.