



SAFETY DATA SHEET

PRODUCT NAME: ECO-SILENT MAT ADHESIVE PU

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.

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

Product name: Eco-Silent Mat Adhesive PU
Recommended use: Sheet flooring adhesive
Supplier: Construction Technologies Australia Pty Ltd
Street Address: P.O. Box 218, Winston Hills, NSW2153, Australia.
Telephone: 02 9674 1004
Facsimile: 02 96742002
Email: info@ctaust.com.au

2. HAZARDS IDENTIFICATION

NOT CLASSIFIED AS HAZARDOUS ACCORDING TO ASCC CRITERIA

Based on available information, this material is not classified as hazardous according to criteria of ASCC Australia. Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.

NOT CLASSIFIED AS A DANGEROUS GOOD BY THE CRITERIA OF THE ADG CODE

UN No: None Allocated **DG Class:** None Allocated **Subsidiary Risk(s):** None Allocated
Packing Group: None Allocated **Hazchem Code:** None Allocated **EPG:** None Allocated

3. COMPOSITION INFORMATION

Ingredients

Chemical Name:	CAS Number:	Proportion:
Diphenylmethane diisocyanate pre-polymer	Trade Secret	20-50%
Inorganic extender	Non Hazardous	20-40%
Plasticiser	Trade Secret	5-20%

* Other ingredients determined not to be hazardous, to 100%.



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4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

Inhalation: Remove victim from exposure – avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

Skin contact: If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.

Eye contact: If in eyes wash out immediately with water. In all cases of eye contamination it is sensible precaution to seek medical advice.

Ingestion: Rinse mouth with water. If swallowed, do NOT induce vomiting. Never give anything by the mouth to an unconscious patient. If vomiting occurs seek immediate medical advice.

Notes to physician: Treat symptomatically

5. FIRE-FIGHTING MEASURES

Hazard of Use/Storage: Product will not support combustion. Polymer will burn in a general fire,

List of Dangerous Decomposition or Combustion Products: Oxides of carbon and nitrogen, isocyanate vapours and hydrogen cyanide, fumes and smoke.

Types of Extinguisher: Water, Foam, CO2 and Dry Chemical.

Precautions: Fire fighters should wear self-contained breathing apparatus.

Protective Clothing: Wear protective clothing to prevent contact with skin and eyes

Reactivity: None

Flash Point	>150°C
Auto-ignition Temperature	Not determined
Lower Explosive Limit	Not determined
Upper Explosive Limit	Not determined

6. ACCIDENTAL RELEASE MEASURES

Small spills Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours. Wipe up with absorbent (clean rag or paper towels). Allow absorbent to dry before disposing with normal household garbage. Collect and seal in properly labelled containers or drums for disposal.

Large spills Slippery when split. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of vapours. Work up wind or increase ventilation. Contain – prevent run off into drains and waterways. Keep away from sources of ignition. Material reacts with water and produces carbon dioxide Use absorbent (soil, sand or other material). Collect

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properly labelled containers or drums for disposal. DO NOT place in sealed containers because pressure build-up may occur. Allow material to fully cure before disposal. If contamination of sewers or waterways has occurred advise local emergency services. Dispose of waste and empty containers in accordance with federal state and local laws.

Dangerous Goods – Initial Emergency Response Guide No: Not applicable

7. STORAGE AND HANDLING

STORAGE Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from incompatible materials. Keep containers closed when not in use – check regularly for leaks. The recommended storage area should be below 30°C. Material reacts with water and alcohol, and produces carbon dioxide. If the container is contaminated DO NOT re-seal container because pressure build-up may occur. Do not mix with alcohols (methylated spirits) or similar materials.

HANDLING Avoid eye contact and repeated or prolonged skin contact.

8. EXPOSURE CONTROLS/ PERSONAL PROTECTION

Exposure Standards

As established by the NOHSC

	NOHSC			
	TWA	TWA	STEL	STEL
Component	(ppm)	(mg/m ³)	(ppm)	(Mg/m ³)
Diphenylmethane diisocyanate pre-polymer	-	0.02b (sen)	-	0.07b (sen)
Inorganic extender	a	a	a	a
Plasticiser	a	a	a	a
Additives	a	a	a	a

* **Other Exposure information:** Exposure standards not established for product, or other ingredients.

Engineering Controls: General ventilation is recommended during normal use. Local ventilation may be required during certain operations to prevent inhalation of vapours.

Personal Protection

Respirator Type (AS/NZS 1716): Where concentrations in air may exceed the recommended exposure limits, or work practice or other means of exposure reduction are not adequate, approved respirator may be necessary to prevent overexposure by inhalation.

Glove Type: Chemically resistant gloves; Protective clothing as necessary to prevent skin contact.

Eye Protection: Use chemical splash goggles (Australian and New Zealand Standards AS/NZS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory system employed.

Clothing: Protective clothing to cover body parts, e.g. long sleeved overalls or similar; and boots.

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Other: Wash hands before smoking, eating, drinking or using the toilet and after finishing work. Observe the usual precautions when handling chemicals.

Flammability

Fire Hazards: Product is non-flammable according to the Australian Code for the Transport of Dangerous Goods; however dried film will burn in a general fire.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellow to Brownish viscous liquid
Boiling Point (°C):	>200°C approx
Vapour Pressure:	Low
Specific Gravity :	1.25 kg/Litre
Flashpoint (°C):	>150°C approx
Flammability Limits:	Not Applicable
Solubility in Water:	Insoluble (Reacts)

Other Properties

Evaporation Rate: Slower than butyl acetate
Vapour Density: Heavier than air
Form: Viscous Liquid
Stability: Stable
Hazardous Polymerisation: Will not occur
Materials to avoid: Alcohol, Methylated spirits

10. STABILITY AND REACTIVITY

Chemical Stability	This material is thermally stable when stored and used as directed.
Conditions to Avoid	Elevated temperatures and sources of ignition.
Material to Avoid	Water, alcohols, amines and acids
Hazardous Decomposition Products	Oxides of carbon and nitrogen, smoke and other toxic fumes.
Hazardous Reactions	No known hazardous reactions.

11. TOXICOLOGICAL INFORMATION

Health Hazard

Summary No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Eye May be an irritant.

Inhalation Material may be irritant to mucous membranes and respiratory tract.

Skin Contact with skin may result in irritation.

Ingestion Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.



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Long Term Effects No information available for product.

Toxicity Data No LD50 data available for the product.

12. ECOLOGICAL INFORMATION

Environment Limited eco toxicity data was available for this product at the time this report was prepared. Ensure appropriate measures are taken to prevent this product from entering the environment.

**Persistence/
Degradability** Limited information was available at the time of this review.

Mobility Limited information was available at the time of this review.

Ecotoxicity Not classified as dangerous to the aquatic environment.

13. DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority.

14. TRANSPORT INFORMATION

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

Poison Schedule (AUST): Not applicable

AICS : All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).



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16. OTHER INFORMATION

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.