



#### 4. HEALTH SAFETY

- 4.1 Green Peace Australia:
  - o Safest Insulation Recommendation
- 4.2 Health Authorities:
  - o Safe to use near food premises
- 4.3 Asthma Foundation:
  - o Considered user friendly

#### 5. PHYSICAL DATA

- 5.1 Boiling Point:
  - o N/A
- 5.2 Vapour Pressure:
  - o N/A
- 5.3 Melting Point:
  - o N/A
- 5.4 Solubility:
  - o Relatively insoluble but will soften upon prolonged soaking in water
- 5.5 Percent Volatile:
  - o Approximately 16% but no organic volatile
- 5.6 Mould:
  - o No Fungus Growth

#### 6. TOXICOLOGICAL INFORMATION

- 6.1 Carcinogenicity:
  - o No carcinogenic materials present. No asbestos or any dangerous mineral fibers present.
- 6.2 Lung Fibrosis:
  - o Not known to cause lung fibrosis.
- 6.3 Allergy:
  - o None.

#### 7. STORAGE

- 7.1 Storage:
  - o No Special storage required.
  - o There is no fire risk with this product.
  - o To be stored under covered roof.
- 7.2 Special Precautions:
  - o Not considered necessary.

#### 8. TEST REPORTS

- 8.1 Thermal Data:
  - o Applied at 35 kg/m<sup>3</sup> density
  - o Thermal Conductivity = 0.0298 w/m.K

	<u>Thickness</u>	<u>Wgt/sq.mt.</u>	<u>R-m2K/W</u>
<b>Test Method ISO 8302</b>	90 mm	3.15 kgs.	R - 3.31
	125 mm	4.37 kgs.	R - 4.59
	( Tested at 7 degrees Celcius temperature difference ref.no. 7-570-NV by AWTA - Australia )		
<b>Test Method ISO 8990</b>	75 mm	2.62 kgs.	R - 0.92
	( Tested at 20 degrees celcius temperature difference ref. no. J 20111261484/SQAS/CCST/T.REC/02 by SIRIM - Malaysia )		

**8.2 Acoustic:**

o Applied at Various Densities

Alpha 1.0 @ 3173 Hz ref. AS 1045-1988 report by Curtin Institute - Australia for sound absorption.

STC 51 to 77 ref. AS 1191 and AS 1276 - 1993 report by National Acoustic Laboratory NSW - Australia for sound transmission.

**8.3 Energy Savings:**

o **Consulting Engineers Report RESAIR 2.LTR in Australia confirms energy savings of 81.54% using airconditioner to achieve 23 degrees Celcius when external dry bulb temperature is 33 degrees C.**

**8.4 Chemicals:**

o Not likely to alter in their composition over an indefinite period of time in accordance with the Department of Physical & Inorganic Chemistry Laboratory in Australia.  
Full MSDS provided by chem. suppliers in U.S.A.

**8.5 Insect Pests:**

o Resistance satisfactory and no vermin harbouring known reference AWTA Test Report no. 7-482475-KW

**END OF SAFETY DATA SHEET**