

# Acoustic Supplies Pty Ltd

ABN: 61 264 776 209  
28 Norton Street  
Randwick NSW 2031

Ph: 0414 281 800 Fax: 02 9326 4893

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## Material Safety Data Sheet

10<sup>th</sup> October 2022

### Vibramat

#### 1 Identification of:

- |     |         |                           |
|-----|---------|---------------------------|
| 1-1 | Product | Vibramat                  |
| 1-2 | Company | Acoustic Supplies Pty Ltd |

#### 2 Product Description

Vibramat is made from Recycled Tyres and waste rubber (greater than 97%). They are firstly granulated and sieved to the correct granule size before being blended with a water resistant PU polymer. There is no PVC in the composition of Vibramat. It is then pressed to the correct density and left to set. After which it is sliced to the required thickness. The PU polymer used does not produce any by-product that would deplete the ozone layer.

#### 3 Hazards Identification

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

Like any common Tyres, Vibramat 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 of Vibramat.

#### 4 First Aid Measures

After contact with skin or eyes – no special measures. Accidental ingestion of Vibramat (though non toxic) can cause obstruction and indigestion - please seek medical advice.

In case of fire, recycled tyre 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

Fire extinguishing mediums are:

Water spray  
Foam extinguisher  
CO2 extinguisher

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 tyre, the exact composition of gasses can not be determine exactly, but it certainly contains toxic fumes that are hazardous and debilitating. Avoid inhalation.

Use glasses and protect skin / body with protective clothing against molten splatters.

#### 6 Accidental Release Measures

Not applicable.

#### 7 Handling and Storage

Vibramat is heavy and practising safe carrying method is essential. Though it is not toxic to handle, it is recommended that hands should be cleaned before handling of food. Practice reasonable care and cleanliness, 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

Not Applicable.

## 9 Physical and Chemical Properties

The appearance of Vibramat is a 3 to 15mm thick sheet, composed of granulated recycled tyre compressed and glued together.

Odour:	odourless in normal state
Softening range:	> 90 to 170 degrees C
Autoflammability:	> 300 degrees C
Thermal decomposition:	160 – 180 degrees C
Explosive properties	None
Apparent Density	550 to 950 kg/m <sup>3</sup>
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 anything 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 Depleting Potential:  
Vibramat acoustic underlay is free of ozone depleting substances in both its manufacture and composition.  
Vibramat is made from recycled tyres and waste rubber. The only component that is added to its manufacture is PU polymers to bind the granulated tyres and waste rubber together, 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:  
Acoustic supplies is prepared to guarantee Product Stewardship of its product "Vibramat", that at the end of its useful life will be removed and re-cycled or re-used and not be sent to landfill, at a price to be negotiated. Vibramat could be re-granulated and be reused as recycled tyre granules either to be used in making pavers, tiles, bricks or into new sheets of Vibramat.

Disposal:  
When disposing of any waste, observe all applicable national and local regulations. Vibramat may be disposed of by:

- a) Landfill:  
Vibramat is inert and does not degrade, it forms a permanent soil base and releases no gasses or chemicals known to pollute water resources.
- b) Incineration:  
Incineration with properly controlled municipal or industrial incineration systems. Rubber products such as Vibramat have high heat values and should only be incinerated in units designed to handle high combustion heat.

## 14 Transportation

No restrictions. A non dangerous material in relation to transportation regulations.

## 15 Regulatory Information

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

## 16 Other Information

If you require further information not covered in this Material Safety Data Sheet, please contact: Acoustic Supplies on the above numbers or email.  
Info@acousticsupplies.com