



PIR (Polyisocyanurate)

Material Safety Data Sheet

1. Identification of the substance/preparation and of the company undertaking

1.1. Identification: PIR (Polyisocyanurate)

1.2. Company: Future Foams Pty Ltd 8 Biscayne Way Jandakot WA 6164

Tel: 08 9414 9444 Fax: 08 9414 9012

2. Composition/information on ingredients

Facings: None

Core: Polyurethane Polymer

Hazardous Ingredients: Pentane <4.8%

CAS [109-66-0] – R12

3. Hazards identification

Not classified as a hazardous material when handling or under normal use.

4. First Aid Measures

Inhalation: Remove the person to fresh air.

Skin: In the event that irritation occurs wash carefully using soap or a proprietary cleanser to remove.

Eyes: Dust particles should be removed by flushing with clean water.

Ingestion: Seek medical attention if discomfort persists.

5. Fire-fighting measures

It is prudent to take precautions against ignition, fire spread and smoke hazard. In fire situations beware of low visibility due to soot and avoid smoke inhalation. Smoke contains carbon monoxide and other gases which may be harmful to health if inhaled. If smoke or fumes are inhaled immediately seek fresh air and medical assistance.

Provide fire-extinguishing equipment at both storage and installation sites:

Suitable media – Water spray (fog), Foam, CO₂ or Dry powder.

Unsuitable media – Not applicable.

Fire fighters should use self contained breathing apparatus and saturate burning foam with water from a spray nozzle.

6. Accidental release measures

Not applicable.

7. Handling and Storage

- 7.1. Store in original packing in a location free from any ignition hazard. Such as open flames, cutting and welding torches, high surface temperature electric heaters and other forms of direct radiant heat.
- 7.2. Keep product protected from the elements and do not stack boxes more than 2.5 meters in height. Ensure stability of stack and provide adequate aisle space for access between stacks.

8. Exposure controls/personal protection

Inhalation: Dust is not normally a hazard unless mechanical cutting is used. Where dust is generated in confined spaces it is recommended that extraction be used. As with all cutting procedures it is recommended that eye protection and disposable dust mask be worn. It is recommended when non-mechanical cutting is carried out that the product is cut with a trimming knife to minimise the generation of dust.

Hands: It is recommended that gloves be worn when handling the product.

Eyes: As with all cutting procedures it is recommended that eye protection be worn.

Other: The product is non-load bearing in spanning applications. Access and work should not be carried out on un-supported boards.

9. Physical and chemical properties

Appearance: Various Coloured Foam

Odour: Negligible

pH: Neutral

Melting point: Not applicable

Flash point: Not available – non flammable

Density: 30 to 320 kg/ m³ (dependent on product supplied)

Solubility: Insoluble

Other data: None

10. Stability and Reactivity

Stable and un-reactive during normal use (see section 7). The products core will dissolve when in contact with some solvents, particularly those containing methyl ethyl ketone.

11. Toxicological Information

No information available at this time.

12. Ecological Information

The product is inert and stable in water and soil.

13. Disposal Considerations

Waste insulation is non-hazardous and should be disposed of regularly in a designated location without grinding or powdering in accordance with the requirements of the Environmental Agency, Local Authorities and the Environmental Protection Act 1991. Any polyurethane product dust created in the installation process is regarded as nuisance dust only because of its inert nature. It is important that the accumulation of waste insulation is avoided to prevent wind dispersal.

Ensure polythene wrapping/package is kept away from children. Observe usual safety precautions with the polythene bags.

14. Transport Information

Read this section in conjunction with section 7. Ensure security of load and where necessary sheeting/roping should be used. It is recommended that mechanical lifting equipment is provided and used when moving bulk quantities of product in order to avoid serious physical injury.

15. Regulatory Information

None currently known to apply.

16. Other Information

The information in this data sheet is offered in good faith and is based on our current knowledge; we thereby withhold the right to update and amend this document as necessary. This information is intended to describe the product from a user safety viewpoint in accordance with the European Union Commission Directive 2001/58/EC.

The information should not be taken as guarantee of specific performance and users should make their own assessment and make all applicable personnel aware accordingly.

All chemical products can affect persons with a sensitive or allergic disposition; persons with such sensitivity should seek medical advice before handling this product.

The wearing of appropriate safety equipment is strongly recommended as a precaution and the product should only be used in its design application strictly in accordance with the directions given.

For further information and technical advice on insulation contact Future Foams 08 9414 9444.