



MATERIAL SAFETY DATA SHEET

Backer Rod

Introduction

This Safety Data Sheet contains the following information and advice.

Contents

1. Identification of:
 - 1.1 Product
 - 1.2 Company
2. Product description
3. Hazards identification
4. First aid measures
5. Fire fighting measures
6. Accidental release measures
7. Handling and Storage
8. Exposure controls / Personal protection
9. Physical and chemical properties
10. Stability and reactivity
11. Toxicological information
12. Ecological information
13. Recycling & disposal considerations
14. Transport information
15. Regulatory information
16. Other information



1. **Identification of:**

- 1.1 **Product** Backer Rod
- 1.2 **Company** Youngbo Australia
15 Leonard Crescent
Brendale
Qld, 4500.

2. **Product Description**

Youngbo Backer Rod is a non crosslinked polyethylene foam produced in a continuous extrusion process. It is based on Food Grade Polyethylene and foamed with an aerosol propellant foam blowing agent.

3. **Hazards Identification**

Polyethylene foam will burn when provided with an adequate amount of heat and oxygen, therefore do not expose the material to any flame or other source of ignition or heat. Subject to reasonable care and cleanliness there are no obvious problems associated with the handling of polyethylene foams.

4. **First Aid Measures**

After contact with skin or eyes: No special measures.

In case of fire:

If smoke gases are inhaled, which contain mainly carbon dioxide (CO₂) and carbon monoxide (CO): Fresh air, coffee and possible artificial respiration (call a doctor immediately) are the recommended measures.

If headache, nausea or vomiting occurs, contact a doctor.

If body skin is burned through contact with molten foam:

Cool burned parts with water, but do not remove the foam from the skin. If skin burn grade 2 or 3 is reached: call a doctor immediately.

5. **Fire Fighting Measures**

Fire extinguishing mediums are:

- Water spray
- Extinguishing foam
- CO₂ extinguisher

Use safety glasses and protect skin/body with protective clothing against molten Backer Rod

6. **Accidental Release Measures**

Not applicable.



7. *Handling and Storage*

Handling

Practice reasonable care as a normal safety precaution. The working environment should be kept clean and free of dust.

Storage

Practice reasonable care and cleanliness; provide adequate distance between stacks as a safety precaution. Do not expose to any source of flame, ignition or heat. Recommended storage is inside due to UV light and heat sensitivity.

8. *Exposure controls/Personal Protection*

Breathing protection:

No special requirements.

Hand protection:

No special requirements.

Eye protection:

No special requirements.

Body protection:

No special requirements.

9. *Physical and Chemical Properties*

Appearance:

Semi rigid, closed cell, non crosslinked polyethylene foam extrusion, available in white or black colour. Other colours to order

Odour:

odourless

Softening range:

≥70 - 100°C

Explosive properties:

none

Apparent density:

33kg/m³

Solubility in water:

insoluble

Organic solvents: insoluble, partly soluble, swelling; depending on solvent type

10. *Stability and Reactivity*

Avoid:

Any temperature (over period >10min.)

>160 -180°C

Any contact with strong oxidising chemicals

Dangerous decomposition products:

Combustion gases in case of fire.

11. *Toxicological Information*

Toxicologically harmless:

Non crosslinked polyethylene foams are among the most inert polymer foams and constitute no hazard in terms of normal handling and skin contact.



12. *Ecological Information*

Environmentally harmless:

- Insoluble in water: no contamination
- Insoluble in most solvents
- Degradable only by UV light

13. *Recycling & Disposal Considerations*

Re-use:

Remnant material may be reused directly eg:

- Cushion packaging material

Disposal:

When disposing of any waste, observe all applicable national and local regulations. Backer Rod polyethylene foam may be disposed of by:

a) Landfill:

Backer Rod polyethylene foam is inert and does not degrade; it forms a permanent soil base and releases no gases or chemicals known to pollute water resources.

b) Incineration:

Incineration with properly controlled municipal or industrial incineration systems. Plastic materials, such as Backer Rod, have high heat values and should only be incinerated in units designed to handle high combustion heat.

14. *Transport information*

No restrictions and 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*

This information is based on our current level of knowledge and relates to the product in the stat in which it is delivered. It is intended to describe the product from the point of view of safety requirements, and is not intended to guarantee any particular properties.

If you require more information on the subject of this data sheet, please contact :

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