

MATERIAL SAFETY DATA SHEET

Easy-form™ Closed Cell Backer Rod

Introduction

This Safety Data Sheet contains the following information and advice.

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SEKISUI FOAM AUSTRALIA

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TECHNICAL INFORMATION

1. Identification of:

1.1 Product Easy-form™ Closed Cell Backer Rod
Lightlon® Closed Cell Backer Rod

1.2 Company Sekisui Foam Australia
1-5 Parraweena Road
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Sydney Australia

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2. Product Description

Easy-form™ Closed Cell Backer Rod is based on non-crosslinked polyethylene foam produced in a continuous extrusion process. Easy-form™ Closed Cell Backer Rod is based on polyethylene (CAS No. 9002-88-4) and foamed with an aerosol propellant foam blowing agent.

3. Hazards Identification

Health Effect: Not classified as hazardous according to EU Regulation 1272/2008/EC (CLP/GHS) and Australian WHS Regulations.

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: No special measures with usage at normal temperatures.
After contact with eyes: Flush thoroughly with flowing water.
After inhalation: No special measures with usage at normal temperatures.
After swallowing: If ingested, induce vomiting by drinking a large volume of water or salt water. Seek medical attention.

In case of fire:

If smoke gases are inhaled, which contain mainly carbon dioxide (CO₂) and carbon monoxide (CO), fresh air and possible artificial respiration (seek medical attention immediately) are the recommended measures.

If body skin is burned through contact with molten material, cool burned parts with water but do not remove from the skin. If skin burn degree 2 or 3 is reached, seek medical attention immediately.

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5. Fire Fighting Measures

Fire extinguishing mediums are:

- Dry chemical
- Water spray
- Extinguishing foam
- CO₂ extinguisher

Use respirator/oxygen masks in enclosed areas. Avoid dense smoke and do not inhale the smoke gases from combustion.

Use safety glasses and protect skin/body with protective clothing.

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. Store inside with adequate ventilation and keep dry, away from direct sunlight. Keep in original packing until required. Do not expose to any source of flame, ignition or heat.

8. Exposure Controls/Personal Protection

Breathing protection:

No special requirements.

Hand protection:

Use safety gloves when cutting product with a knife.

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.

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TECHNICAL INFORMATION

Odour:	Odourless
Softening range:	≥70 – 100°C
Autoflammability:	≥300°C
Thermal decomposition:	>160 – 180°C
Explosive properties:	none
Solubility in water:	insoluble
organic solvents:	insoluble, partly soluble, swelling; depending on solvent type
Electrical surface resistance:	≥10 ¹⁸ Ω.cm

10. Stability and Reactivity

Avoid:

Any temperature (over period >10 minutes) >160 – 180°C

Any contact with strong oxidising chemicals

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.
- Insoluble in most solvents.
- Free of heavy metals and plasticisers.
- Degradable only by prolonged UV exposure.

Ozone layer depleting substances:

Easy-form™ Closed Cell Backer Rod does not contain and is not produced with any of the substances mentioned in the “Montreal Protocol” of ozone depleting substances and in the corresponding EC Regulation 2009/1005:

- Chlorofluorocarbons (CFCs)
- Hydrochlorofluorocarbons (HCFCs)
- Carbon Tetrachloride
- 1,1,1-Trichloroethane
- Methyl Bromide
- Hydrobromofluorocarbons (HBFCs)

13. Recycling & Disposal Considerations

Re-use:

Remnant material may be reused directly, e.g:

- Cushion packaging material

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Recycling:

Ask our Sales Engineers about product specific recycling possibilities.

Disposal:

When disposing of any waste, observe all applicable national and local regulations. Easy-form™ Closed Cell Backer Rod may be disposed of by:

- **Landfill**
Non-crosslinked 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.
- **Incineration**
Incinerate using properly controlled municipal or industrial incineration systems. Plastic materials, such as non-crosslinked polyethylene foam, have high heat values and should only be incinerated in units designed to handle high combustion heat.

14. Transport information

No restrictions and non-hazardous 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 state 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.



This information on Sekisui Foam International products is presented to the best of our knowledge. All product data is based on average values and is for guidance only. As these products are subject to constant research and development, we reserve the right to update the contents without notice.



Recommendations as to methods of post fabrication, application and use of Sekisui Foam International products are based on our experience and knowledge of the characteristics of our products and are given in good faith. As producer of the material we have no control over the application of Sekisui Foam International products and no legal responsibility is accepted for such recommendations. In particular, no responsibility is accepted by us for any system in which Sekisui Foam International products are utilised or for any application.



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