



Polyethylene Material Safety Data Sheet

1. Identification of Substance:

Product Details

Product Name: Cross Linked Polyethylene Foam Sheet

Supplier's Name: Future Foams 8 Biscayne Way Jandakot WA 6164 Tel: (08) 9414 9444

2. Composition / Data on components:

Chemical Characterisation:

CAS Number	Chemical Name	Contents (Weighted %)
25087-34-7	Liner Low Density Polyethylene	98.0 – 98.5
2768-0207	Vinyltrimethoxysilane	1.1 – 1.6
80-43-3	Dicumyl Peroxide	0.1
77-58-7	Dibutyltin Dilaurate	0.1
6693-19-8	Antioxidant (Terakis)	0.1

3. Hazards Identification:

- Appearance
- Target Organs: None
- Potential Health Effects: The product is not classified as a dangerous preparation. However, inhalation of dust may irritate the respiratory tract.

4. First Aid Measures:

No specific instruction needed.

5. Fire Fighting Measures:

Suitable extinguishing agents: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

Flash point is 250 ° C / 484.6 ° F

Special hazards caused by the material, its products of combustion or flue gases, can be released by fire: Carbon monoxide and carbon dioxide.

Protective equipment: Wear self-contained breathing apparatus. Wear full protective suit.

6. Accidental release measures

Person – related safety precautions: Ensure adequate ventilation

Measures for environmental protection: Do not allow material to be released to the environment without proper government permits.

Additional information: See section 7 for information on safe handling.

See section 8 for information on personal protection equipment.

See section 13 for information on disposal.

7. Handling and storage

Information for safe handling: No special handling requirements for this product.

Information about protection against explosions and fires: Keep ignition sources away – Do not smoke.

Requirements to be met by storerooms and containers: No special requirements.

Information about storage in one common storage facility: Store away from oxidizing agents.

Store in dry cool conditions.

8. Exposure controls and personal protection

Components with critical values that require monitoring at the workplace: Not required

Additional information: No data.

Personal Protective equipment: The usual precautionary measures for handling chemicals should be followed. Take off the close with pollution. Avoid contact with eyes and skin

Breathing equipment: Use breathing protection with high concentrations.

Eye Protection: Safety glasses. Body Protection: Protective work clothing.

9. Physical and Chemical Properties

General Information

Form: Solid

Colour: Colourful

Odour: A noticeable odour emanates when product is cut

Chemical Properties

Boiling Point: Not applicable

Melting Point: 105 to 140 °C

Ignition Temperature: 300°C

Vapour Pressure: Not applicable

Solubility in Water: Not applicable

Specific Gravity (H₂O=1): 0.910 – 0.930

pH: Not applicable

Freezing Point: Not applicable

Molecular Weight: Mixture, Not

applicable Density at 20°C: Not applicable

10. Stability and reactivity

The product is a stable thermoplastic with no chemical reactivity

11. Toxicological information

The product is not classified as a dangerous preparation according to directive 1999/45/EC. Contains an organic tin that is dangerous, but the concentration is far below the classification limit. However, inhalation of dust may irritate the respiratory tract. Prolonged inhalation of high doses of decomposition products may give headache or irritation of the respiratory tract. Exposure to the organic tin compound is not likely as it is embedded in a solid polymer.

12. Ecological information

The product is not classified as a dangerous for the environment. Contains a stabilizer that is dangerous for the environment, but the concentration is far below the classification limit.

13. Disposal considerations

Reuse or recycle if not contaminated. The product may be safely used as fuel or land fill. Proper combustion does not require any special flue gas control.

14. Transport Information

Not a hazardous material for transportation.

DOT regulations:

Hazard Class: None

Land transport: ARD/RID class: None

Maritime transport: IMDG: None

Air Transport: ICAO-TI and IATA-DGR: None

Additional Information: Not dangerous according to the above specifications.

15. Regulations

Product related hazard information: Observe the general safety regulations when handling chemicals.

National Regulations: All components of this product are listed in the EU Environmental Protection Agency Toxic Substances Control Act Chemical substance inventory.

Information about limitation of use: For use only by technically qualified individuals.

16. Other Information

The information above is believed to be accurate and represents the best information currently available to us. However, Future Foams makes no warranty of merchantability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. Although reasonable precautions have been taken in the preparation of the data contained herein, it is offered solely for your information, consideration and investigation. This material safety data sheet provides guidelines for the safe handling and use of this product; it does not and cannot advise on all possible situations. Therefore, your specific use of this product should be evaluated to determine if additional precautions are required. The data / information contained herein has been reviewed and approved for general release on the basis that this document contains no export controlled information.