

COSHH Assessment Form

Identification of Products & Manufacturer

Part Number	Part Name	Manufacturer
SF3330	SuperFOIL SFNC+	Boulder Developments Ltd

Composition & Material Information

The product is a flexible, lightweight insulation material composed of multiple layers:

- **Outer Layers:** Reinforced laminated foil outer layers with a Polyethylene (PE) backing.
- **Core Layer:** Glass mineral wool centre layer.
- **Adhesive Layer (Polyacrylate Water-Based Composite Adhesive):** Used to bind components. Contains Monomer Methyl Methacrylate (cured/dry in the finished product), Vinyl Acetate, Ethyl Acrylate and Acrylic.

Risk Assessment & Health Hazards

- **Hazard Classification:** Generally classified as non-hazardous, but mechanical action can cause localized physical reactions.
- **Routes of Exposure:** Skin absorption, Eyes, Ingestion, and Inhalation.
- **Skin Irritation:** The High-Density Glass Mineral Wool core may cause temporary skin irritation by mechanical action (physical friction from micro-fibres). It is a known mechanical irritant rather than a chemical allergen.
- **Dust Generation:** Cutting and handling the product may create dust. High levels of accumulated dust may irritate the throat or eyes.

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Handling Precautions & Personal Protective Equipment (PPE)

- **Occupational Exposure Limits:** Workplace Exposure Limits (WEL) are set at 5mg/m³ 8-hour TWA (gravimetric) and 2 fibres/ml. In normal applications, it is unlikely that these WELs will be exceeded. Refer to current editions of HSE EH40.
- **Skin Protection:** It is advised to wear gloves for comfort and to limit direct skin exposure to cut edges where the glass fibre core is visible. Wear loosely fitted clothes, avoiding any constrictions around the neck and wrists to prevent loose fibres from becoming trapped against the skin.
- **Eye Protection:** It is advised that eye protection complying with BS EN 166 should be worn, especially if working with products above head height or in confined spaces.
- **Respiratory Protection:** It is advised that facemasks should be used, especially if installing in confined spaces where dust can accumulate.

First Aid Measures (Skin Contact)

In the event of skin irritation from contact with loose glass mineral wool fibres:

- **Remove:** Carefully remove heavily contaminated clothing.
- **Wash:** Rinse the affected skin areas thoroughly with **cold water**, followed by washing with a **mild soap**. Cold water is advised because hot water opens up skin pores, which can allow micro-fibres to sink deeper into the skin.
- **Dab, Do Not Rub:** Rinse the skin cleanly and gently pat dry. Avoid rubbing or scratching the irritated area, as this can force the glass fibres further into the skin tissue.
- **Medical Attention:** If irritation, redness, or a rash persists after washing, we advise seeking medical guidance.

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