

## TECHNICAL DATA SHEETS

### MACSIM FILL & BOND FOAM

#### PRODUCT AND COMPANY INFORMATION

**PRODUCT DETAIL:**

**Product Name:** Macsim Fill and Fix and Bond Foam,  
Also known as Expanding Foam

**UN Number:** 1950

**Dangerous Goods Class:** 2.1

**Transport Classification:** 5A

**Hazchem Code:** None

**Subsidiary Risk:** None

**Packaging Group:** None

**COMPANY DETAIL:**

**Manufacturer:** Macsim Fastenings Pty Ltd

**Address:** 10 Wonderland Drive, Eastern Creek, NSW, 2766

**Phone:** (02) 9881 2400

**Fax:** (02) 9881 2444

#### APPLICATIONS

To be used for filling cavities in walls, ceilings. Multi-directional nozzle.  
Use according to directions on the can.

#### PHYSICAL AND CHEMICAL PROPERTIES

**Appearance:** Beige Colour  
**Odour:** Characteristic  
**Melting Point:** Not determined  
**Flashpoint:** Contains extremely flammable components.  
**Vapour Pressure:** Not determined.  
**Water Solubility:** Insoluble  
**Specific Gravity:** 1.1

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### INGREDIENTS

Hazardous Ingredients	CAS No.	Proportion %
Polymeric MDI	9016-87-9	>25
Tris phosphate	13674-84-5	>25
Alpha,alpha,alpha-1,2,3-propanetriyltris(omega-hydroxy-) poly [oxy (methyl-1,2-ethanediyl)]	25791-96-2	>25
Isobutane	75-28-5	1 - 10
Dimethyl Ether	115-10-6	1 - 5
Propane	74-98-6	1 - 5

### HEALTH HAZARD INFORMATION

<b>Risk Phrases: R42</b>	May cause sensitization by inhalation and skin contact.
<b>If Inhaled:</b>	May cause asthma type symptoms such as wheezing, coughing, shortness of breath a runny nose with headache and dizziness.
<b>Eye contact:</b>	May cause irritation.
<b>Skin Contact:</b>	May cause irritation, Can cause in sensitive people, dermatitis and allergic responses, redness,swelling and blisters.
<b>If Swallowed:</b>	Will cause nausea, vomiting and stomach pain.

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### FIRST AID

- Eye Contact:** Rinse immediately with plenty of water. Seek medical advice.
- Skin Contact:** Wash immediately with lots of water. If irritation persists, seek medical advice.
- After Inhalation:** Remove the victim into fresh air. Never give an unconscious person anything by mouth.  
Seek medical advice
- Medical Advice:** The substance is a Polyurethane Expanding Foam that expands and hardens with contact with air. Moisture in the eyes and skin will react with this product.
- Safety First:** Have eyewashes available.

### FIRE FIGHTING MEASURES

- Suitable extinguishing Media:** Quantities of water, Polyvalent Foam, BC Powder, Carbon Dioxide.
- Special exposure hazards:** On heating: release of toxic/combustible gases/vapours: phosphorus oxides, nitrous vapours, hydrogen chloride, carbon monoxide and carbon dioxide.
- Gas vapours spreads at floor level:** ignition hazard.  
Vapour-air mixture is flammable/explosive within the explosion limits.  
Aerosol may explode under contact with heat
- Instructions:** Dilute toxic gases with water spray.  
Do not move load if exposed to heat.

**Special protective equipment for firefighters:** Heat/fire exposure: compressed air/oxygen apparatus.

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### PRECAUTIONS FOR USE

**Safety Phases:**

- S2** Keep out of reach of children
- S24** Avoid contact with skin
- S45** Avoid inhaling vapours

**Exposure standards ( NOHSC: 1003 (1995) )** TWA

**Polymethylenepolythénylisocyanate** 0.2mg/m<sup>3</sup>

**Propane** 1800 mg/m<sup>3</sup>

**No limits are set for other components.**

**Personal Protection:** Use in well ventilated areas. Avoid contact with skin. Wear overalls, safety goggles and PVC gloves. Always wash hands after using this product.

**Flammability:** Class 2.1 Flammable Gas. The foam is highly flammable as the propellant is propane gas. The final cured foam is not flammable. If burnt or in contact with flame or hot surfaces the propellant gases can produce toxic gases. All potential sources of ignition must be eliminated in the working area. Do not incinerate or puncture the aerosol can even when empty as it could explode.

**DO NOT SMOKE WHILE USING THIS PRODUCT.**

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### HANDLING, TRANSPORT AND STORAGE

<b>Handling:</b>	Keep containers securely sealed and protected against physical damage in their original packages.
<b>Transport:</b>	This product is in the dangerous goods class 2.1 flammable gas. UN 1950 Aerosols. All transport should be done under the Australian Code for the Transport of Dangerous Goods by Road and Rail.
<b>Storage:</b>	Keep out of direct sunlight. Keep away from all ignition sources, heat, fire, sparks, acids. Store below 30 degrees C. Avoid contamination by water. Shelf life 12 months.

### DISCLAIMER

This MSDS has been produced with the best knowledge we have at present on the safe use, handling, storage, health and safety hazard. We cannot anticipate or control the conditions under which the product may be used. Each person using this product is advised to study this MSDS before use.