

Compilation date: 01/06/2015

Revision date: 30/11/2016

#### 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

##### 1.1 Product Identifier

<b>Product Name</b>	Fill & Fix & Bond Foam
<b>Other means of identification</b>	53MPF750

##### 1.2 Relevant identified uses of the substance or mixture and uses advised against

<b>Relevant identified uses</b>	Polyurethane Foam
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##### 1.3 Details of manufacturer/ Importer

<b>Company name</b>	Macsim Fastenings Pty Ltd
<b>Address</b>	10 Wonderland Drive Eastern Creek NSW 2766 Australia
<b>Telephone</b>	+61 2 9881 2400
<b>Fax</b>	+61 2 9881 2444
<b>Website</b>	www.macsim.com.au
<b>Email</b>	info@macsim.com.au

##### 1.4 Emergency telephone number


<b>Association/ Organisation</b>	Poisons Information Centre (Australia)
<b>Emergency telephone</b>	13 11 26 (Australia) 0800 764 766 (New Zealand)

#### 2. HAZARDS IDENTIFICATION

##### 2.1 Classification of substance or mixture

Mixture

##### 2.2 Label elements

<b>Label elements</b>	
<b>Hazard pictograms</b>	GHS02: Flammable GHS04: Compressed Gas GHS07: Harmful GHS08: Health Hazard
<b>Signal word</b>	Danger
<b>Hazard statement(s)</b>	H222: Extremely flammable aerosol. H280: Contains gas under pressure; may explode if heated. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H319: Causes serious eye irritation. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H373: May cause damage to organs through prolonged or repeated use.

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<b>Precautionary statement(s)</b>	P102: Keep out of reach of children.
	P103: Read label before use.
	P210: Keep away from heat, hot surfaces, sparks, open flames, and other ignition sources. No smoking.
	P211: Do not spray on an open flame or other ignition source.
	P251: Do not pierce or burn, even after use.
	P260: Do not breathe gas.
	P261: Avoid breathing gas.
	P271: Use only outdoors or in a well-ventilated area.
	P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
	P285: In case of inadequate ventilation wear respiratory protection.
	P312: Call a poison centre/ doctor if you feel unwell.
	P302 + P352: IF ON SKIN: Wash with plenty of water.
	P304 + P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
	P305 + P351 + P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P332 + P313: If skin irritation occurs: Get medical advice/attention.
	P342 + P311: If experiencing respiratory symptoms: Call a POISON CENTRE or doctor/physician.
	P410 + P403: Protect from sunlight. Store in a well-ventilated place.
P410 + P412: Protect from sunlight. Do not expose to temperatures exceeding 50°C.	
P501: Dispose of contents/container in accordance with local, regional, national, international regulations.	

#### 2.3 Other hazards

<b>Other hazards</b>	No information available.
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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

#### 3.1 Mixtures

CAS No	% (weight)	Name	Classification
9016-87-9	20-40	polymeric diphenylmethane diisocyanate	As danger substance
101-68-8	10-30	4,4'-methylenediphenyl diisocyanate	Acute Tox. 4 - H332; Skin Irrit. 2 - H315; Eye Irrit. 2 - H319; Resp. Sens. 1 - H334; Skin Sens. 1 - H317; Carc. 2 - H351; STOT SE 3 - H335; STOT RE 2 - H373
115-10-6	10-20	Dimethyl Ether	Flam. Gas 1 - H220
75-28-5	1-10	Isobutane	Flam. Gas 1 - H220
74-98-6	1-10	propane	Flam. Gas 1 - H220

#### 4. FIRST AID MEASURES

##### 4.1 Description of first aid measures

<b>Skin contact</b>	Remove contaminated clothing and shoes. Rinse with plenty of soap and water. Consult a doctor if skin irritation or a rash occurs. Wash clothing and shoes before reuse.
<b>Eye contact</b>	Flush eyes continuously with running water immediately. If easy to do remove contact lenses. Continue rinsing. Consult a doctor if eye irritation develops and persists.
<b>Ingestion</b>	Do not induce vomiting. Rinse mouth thoroughly with water. Consult a doctor.
<b>Inhalation</b>	Move to fresh air, keep warm and at rest. Consult a doctor if symptom persist.

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<b>General advice</b>	In case of an accident or if you feel unwell, seek medical advice immediately with this document, refer to the above mentioned information.
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#### 4.2 Most important symptoms and effects, both acute and delayed

- » May cause and allergic skin reaction.
- » Causes serious eye irritation.
- » Causes damage to organs through prolonged or repeated exposure.
- » Ingestion is likely to be harmful or have adverse effects.

#### 4.3 Protection of first-aiders

First aid responders should pay attention to self-protection, and use the recommended personal protective equipment when the potential for exposure exists.

#### 4.4 Notes to physician

Treat symptomatically and supportively.

### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media</b>	<ul style="list-style-type: none"> <li>» Water spray</li> <li>» Alcohol resistant foam</li> <li>» Carbon dioxide (CO<sub>2</sub>)</li> <li>» Dry chemical powder</li> </ul>
<b>Fire hazard</b>	Closed containers exposed to heat from fire may build pressure and explode.
<b>Flash point</b>	N/A
<b>Hazardous combustion products</b>	Irritating organic vapours may be formed.
<b>Specific hazards arising from fire-fighting</b>	Exposure to combustion products may be a hazard to health
<b>Protective equipment for firefighters</b>	In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.

### 6. ACCIDENTAL RELEASE MEASURES

#### 6.1 Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Use personal protective equipment. Keep unprotected persons away. Follow safe handling advice and personal protective equipment recommendations. Avoid contact with skin, eyes and inhalation of vapours. Remove all sources of ignition. Use personal protection recommended in section 8.
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#### 6.2 Methods and material for containment and cleaning up

- » Soak up with absorbent material.
- » For large spills, provide appropriate containment to keep material from spreading. If material can be pumped, store removed material in appropriate container.
- » Clean up remaining materials from spill with suitable absorbent material.
- » Local or national regulations may apply to release and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which regulations are applicable.

#### 6.3 Environmental precautions

- » Discharge into the environment must be avoided.
- » Prevent further leakage or spills if safe to do so.
- » Retain and dispose of contaminated water.
- » Local authorities should be advised if significant spills cannot be contained.

## 7. HANDLING AND STORAGE

### 7.1 Precautions for safe handling

<b>Safe handling</b>	<ul style="list-style-type: none"> <li>» Use only as directed on the label.</li> <li>» Do not swallow or allow into eyes.</li> <li>» Handle in accordance with good hygiene and safe practice.</li> <li>» Keep away from water, fire, heat and oxide.</li> <li>» Protect from moisture.</li> <li>» Take care to prevent spills, waste and minimise release to the environment.</li> <li>» Persons susceptible to allergic reactions should not handle this product.</li> <li>» See engineering measures under section 8.</li> </ul>
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### 7.2 Conditions for safe storage, including incompatibilities

<b>Suitable container</b>	<ul style="list-style-type: none"> <li>» Keep in labelled container.</li> <li>» Store locked up.</li> <li>» Store in accordance with the particular national regulations.</li> </ul>
<b>Safe Storage</b>	<ul style="list-style-type: none"> <li>» Store in a cool, dry, well ventilated area away from direct sunlight.</li> <li>» Store locked up.</li> <li>» Store in accordance with the particular national regulations.</li> <li>» Recommended storage temperature: +5°C to +25°C.</li> </ul>

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 Control parameters

No further relevant information available.

### 8.2 Exposure controls

<b>Respiratory protection</b>	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure. In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
<b>Hand protection</b>	Choose gloves to protect hands against chemicals depending on the concentration and quantity of the hazardous substance and specific to place of work. For special applications, we recommend clarifying the resistance to chemical of the protective gloves with the glove manufacturer. Wash hands before food breaks and at the end of the workday.
<b>Eye protection</b>	Wear the following personal protective equipment. Safety goggles.
<b>Skin and body protection</b>	Select appropriate protective clothing based on chemical resistance data and an assessment of the local exposure potential. Skin contact must be avoided by using protective clothing (gloves, aprons, boots, etc.)
<b>Hygienic measures</b>	Ensure that eye flushing systems and safety showers are located close to the working place. When using product do not eat, drink or smoke. Wash contaminated clothing before reuse. Do not inhale gases/ fumes/ aerosols.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 Information on basic physical and chemical properties

<b>Appearance</b>	Liquid		
<b>Odour</b>	Slightly musty	<b>Lower explosion limit</b>	N/A
<b>pH</b>	N/A	<b>Vapour pressure</b>	N/A
<b>Melting point</b>	N/A	<b>Relative vapour density</b>	N/A
<b>Boiling point</b>	N/A	<b>Density</b>	1.0 g/ml
<b>Flash point</b>	N/A	<b>Solubility in water</b>	Hardly soluble in water
<b>Flammability (solid/gas)</b>	N/A	<b>Explosive properties</b>	N/A
<b>Upper explosion limit</b>	N/A	<b>Oxidising properties</b>	N/A

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#### 10. STABILITY AND REACTIVITY

<b>Reactivity</b>	Not classified as a reactivity hazard.
<b>Chemical stability</b>	Stable under recommended handling and storage conditions.
<b>Possibility of hazardous reactions</b>	No data available.
<b>Conditions to avoid</b>	Flames, sparks and other sources of ignition, incompatible materials.
<b>Incompatible materials</b>	Strong oxidising agents
<b>Hazardous decomposing products</b>	No data available.

#### 11. TOXICOLOGICAL INFORMATION

##### 11.1 Information on toxicological effects

Skin contact, ingestion, eye contact.

##### 11.2 Potential health effects/ symptoms

<b>Inhalation</b>	Coughing, sneezing, nasal discharge, headache, hoarseness, and nose and throat pain.
<b>Skin contact</b>	Bonds skin rapidly. Causes skin irritation, localised redness, swelling, itching and dryness. May cause allergic skin reaction, redness swelling, blistering and itching.
<b>Eye contact</b>	Bonds eyelids rapidly. Causes serious eye irritation, significant redness, swelling, pain, tearing, cloudy appearance of the cornea, and impaired vision.
<b>Ingestion</b>	Causes gastrointestinal irritation, abdominal pain, stomach upset, nausea, vomiting, and diarrhea.

##### 11.3 Acute toxicity

No further relevant information available.

#### 12. ECOLOGICAL INFORMATION


No further relevant information available.

#### 13. DISPOSAL CONSIDERATIONS

##### 13.1 Waste treatment methods

<b>Waste from residues</b>	Dispose of in accordance with local regulations.
<b>Contaminated packaging</b>	Empty container should be taken to an approved waste handling site for recycling or disposal. Do not pierce or burn, even after use. If not otherwise specified: Dispose of an unused product.

#### 14. TRANSPORT INFORMATION

<b>UN No.</b>	1950
<b>ADR</b>	Class 2: Gases
<b>IATA-DGR</b>	2.1
<b>IMDG-Code</b>	2.1
<b>Transport labels</b>	

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#### 15. REGULATORY INFORMATION

##### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

<b>Other information</b>	N/A
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#### 16. OTHER INFORMATION

<b>Legal disclaimer</b>	<p>All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee these are the only hazards that exist. The details contained herein are based on our present state of knowledge and experience in characterising our product with regard to any possible safety requirement at the date of its publication.</p> <p>The above information is believed to be correct but does not purport to be all inclusive and shall be used as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product.</p> <p>ENVIRONMENTAL CARE: Please do not dispose of uncured material. If disposing please mix any waste product to its cured state.</p>
<b>Further information</b>	<p>Sources of key data used to compile the safety data sheet: Internal technical data, data from raw materials SDSs, OECD eChem Portal search results and European Chemicals Agency <a href="http://echa.europa.eu/">http://echa.europa.eu/</a></p>