MATERIAL SAFETY DATA SHEET



Product: FILL AND FIX EXPANDING FOAM AEROSOL

Code: BDFIX 500/ 750 Date of Issue: January 2003 Version: 1

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: BOND IT FILL AND FIX EXPANDING FOAM AEROSOL

Supplier: Bond It

Address: Unit G16 River Bank Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9DN. ENGLAND

Telephone: (+44) 01422 315300

Emergency: As Above

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

CAS Number	Chemical Name	<u>%</u>	<u>Classification</u>
101-68-8	4,4'-Methylenediphenyl Diisocyanate	5-<25	Xn, R20, 36, 37,38, 42, 43
115-10-6	Dimethyl Ether	1-<20	F, R12
75-28-5	Isobutane	1-<20	F, R12
74-98-6	Propane	1-<20	F, R12

3. HAZARD IDENTIFICATION:

Extremely flammable. Irritating to eyes, respiratory system and skin (R36, 37, 38). May cause sensitisation by inhalation and skin contact (R42,43).

4. FIRST AID MEASURES:

Inhalation: Remove person to fresh air. If discomfort persists seek medical advice.

Skin Contact: Remove contamination with proprietary skin cleaner, followed by washing with

soap and water. This procedure should also be followed prior to eating, drinking,

smoking and toilet functions.

Eye Contact: Irrigate immediately with clean water for 15 minutes and obtain medical

attention.

Ingestion: If swallowed, seek medical advice immediately. Do not induce vomiting. If

possible show product information or label to medical advisor.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media: Carbon Dioxide. Dry Powder. Foam. Water spray jet.

Unsuitable Extinguishing Media: Full water jet.

Special Exposure Hazards in Fires: Risk of formation of toxic pyrolysis products. Hydrogen cyanide

(HCN). Nitrogen oxides (NOx). Hydrogen chloride (HCI).

Special Protective Equipment for

Firefighters:

Use self-contained breathing apparatus. Do not inhale explosion

and/or combustion gases

Additional Information: Cool containers at risk with water spray jet. Fire residues and

contaminated firefighting water must be disposed of in

accordance with local regulations.

6. ACCIDENTAL RELEASE MEASURES:

Precautions: Ensure adequate ventilation. Keep away from sources of ignition. Clean up spillage mechanically and dispose of material in accordance with the regulations.

7. HANDLING AND STORAGE:

Handling: Use only in well ventilated areas and avoid spilling or spraying in enclosed areas. Keep

away from heat, sparks and open flame - refrain from smoking.

Storage: Do not store together with oxidising agents. Keep in a cool place and protect from over

heating as increased pressure can cause bursting.

8. Exposure Controls:

UK Occupational exposure standards - EH40

4,4'-Methylenediphenyl Diisocyanate

<u>VALUE</u>

MAK: 0.05 mg/m³ BAT, 2000

Dimethyl Ether MAK: 1000ppm 2000 Isobutane MAK: 1000ppm 2000 Propane MAK: 1000ppm 2000

Respiratory Protection: Should not be necessary with adequate ventilation. In poorly ventilated areas a

cartridge mask approved for organic vapours is recommended. (Filter AP2).

Hand Protection: Wear suitable impervious gloves.

Skin Protection: Wear appropriate light protective clothing.

Eye Protection: Wear chemical resistant goggles if there is risk of splashing.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Appearance: Aerosol Flammability Limit: Not applicable

Odour: Characteristic Combustion Properties: No

Flashpoint (°C): Not applicable Viscosity: Not applicable

Solubility (water & fat): Insoluble Density (g/m): 0.96

10. STABILITY AND REACTIVITY: Because of high vapour pressure, containers are liable to burst if temperature rises. Evolution of flammable mixtures possible in air when heated above flashpoint and/or during spraying or misting.

Hazardous decomposition products: No hazardous decomposition products known.

11. <u>TOXICOLOGICAL INFORMATION:</u> May cause slight irritation to the respiratory system, skin or eyes.

12. ECOLOGICAL INFORMATION: The product contains organically bound halogen in accordance with the formulation and contains compounds of 76/464/EC.

13. <u>DISPOSAL CONSIDERATIONS:</u> Disposal of material as hazardous waste in accordance with local regulations. Packaging should be similarly disposed of or recycled if uncontaminated.

14. TRANSPORT INFORMATION: U.N. No 1950 IMDG - Aerosols, Class: 2

15. REGULATORY INFORMATION:

R12 Extremely Flammable.

R36/37/38 Irritating to eyes, respiratory system and skin.

R42/43 May cause sensitisation by inhalation and skin contact.

R20 Harmful by inhalation.

S16 Keep away from sources of ignition - NO SMOKING.

S2 Keep out of reach of children.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S51 Use only in well ventilated areas.

S29/56/60/61 Do not empty into drains, dispose of material and container to hazardous or special

waste collection point. Avoid release to the environment.

S45/46 If swallowed or you feel unwell seek medical advice immediately and show this container label.

EEC Symbol Xn: Harmful Fx: Extremely Flammable

16. OTHER INFORMATION:

The data contained in this Safety Data Sheet has been supplied as required by the Chemical (Hazard Identification and Packaging) Regulations 1993, as amended, for the purpose of protecting the health and safety of industrial and commercial users who are deemed capable of understanding and acting on the information provided.

Please ensure that it is passed to the appropriate person(s) in your company, who are capable of acting on the information. This information is given in good faith, being based on the latest knowledge available to Bond It. No known relevant information has been omitted from this Material Safety Data Sheet and the information provided is designed to enable the user to use the product safely. The user should not assume on the basis of the information provided in this sheet that the product is suitable for any abnormal use. If the information provided in insufficient to ensure safety in any particular application, contact Bond It for further advice before the proposed application is undertaken.

Code: BDFIX 500/ 750 Date: January 2003 Supersedes Issue Dated: 1988

EXTREMELY

