

MATERIAL SAFETY DATA SHEET



Product: **POLYURETHANE EXPANDING FOAM AEROSOL**

Code:SF750

Date of Issue: March 2003

Version: 1

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: **BOND IT POLYURETHANE EXPANDING FOAM AEROSOL**

Supplier: **Bond It**

Address: Sherwood House, Huntingdon Road, Brighouse, West Yorkshire. HD6 1PZ, ENGLAND.

Telephone: (+44) 01484 727400

Emergency: As Above

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

CAS Number	Chemical Name	%	Classification
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 (HCl).

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

	VALUE
4,4'-Methylenediphenyl Diisocyanate	MAK: 0.05 mg/m ³ 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. TOXICOLOGICAL INFORMATION: 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. DISPOSAL CONSIDERATIONS: 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 is insufficient to ensure safety in any particular application, contact Bond It for further advice before the proposed application is undertaken.