

MATERIAL SAFETY DATA SHEET



Product: PU RAPID WOOD GEL

Code: BDAPU5

Date of Issue: July 2003

Version: 1

1. PREPARATION AND COMPANY IDENTIFICATION:

Preparation Trade Name: BOND IT PU RAPID WOOD GEL ADHESIVE

Supplier: Bond It

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

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Emergency: As Above

2. COMPOSITION/ INFORMATION ON INGREDIENTS:

Adhesive containing a polyurethane pre-polymer based on diphenylmethanediisocyanate.

<u>CAS Number</u>	<u>Chemical Name</u>	<u>%</u>	<u>Classification</u>
9016-87-9	Diphenylmethanediisocyanate, isomeres & homologues	20-25	Xn; R20-36/37/38-42/43
6425-39-8	2.2' - dimorpholinyl diethyl ether	2 ± 1	Xi; R36/38 EINECS: 229-194-7

3. HAZARD IDENTIFICATION:

Xn Harmful. R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R42/43 May cause sensitisation by inhalation and skin contact. Contains isocyanates.

4. FIRST AID MEASURES:

Inhalation: Remove person to fresh air. If required provide artificial respiration. If discomfort persists seek medical advice. In case of unconsciousness, place patient stably in side position for transportation.

Skin Contact: Remove any clothing soiled by the product. 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: Rinse mouth and throat with water immediately. Do not induce vomiting. May cause nausea, headache, dizziness, coughing and/or breathing difficulty. Seek medical advice immediately. If possible show product information or label to medical advisor.

5. FIRE FIGHTING MEASURES:

Suitable Extinguishing Media: Carbon dioxide (CO₂), extinguishing powder or water spray.

Unsuitable Extinguishing Media: Water jet.

Special Exposure Hazards in Fires: Carbon Monoxide (CO), Nitrogen Oxides (NO_x). In certain fire conditions, traces of other toxic gases cannot be excluded such as Hydrogen cyanide (HCN), Isocyanates.

Required Special Protective

Equipment for Fire Fighters: Wear self-contained respiratory protective device.

6. ACCIDENTAL RELEASE MEASURES:

Precautions: Wear personal protection equipment. Avoid contact with eyes and skin. Avoid inhaling mists and vapours; ensure adequate ventilation and use respirators against the effects of fumes/dust/aerosol. Do not introduce into sewerage or in waters. Dam in any fluid that runs out using suitable material (e.g. earth). Do not flush away with water. Take up mechanically and dispose of in accordance with current legislation and regulations. Clean any slippery coating that remains using a cold cleaner (e.g. water surfactant blend).

7. HANDLING AND STORAGE:

Handling: Ensure adequate ventilation. Open and handle containers with care.

Storage: Store only in unopened, original containers in a cool and dry location.

8. Exposure Controls:

Diphenylmethane -4.4' diisocyanate

Short Term Value0.07 mg/m³**Long Term Value**0.02 mg/m³**Respiratory Protection:**

In case of brief exposure or low pollution use respiratory filter device (filter B). In case of intense or longer exposure use respiratory protective device that is independent of circulating air.

Hand Protection:

Protective gloves made from PVA or nitrile rubber.

Skin Protection:

Wear appropriate protective clothing.

Eye Protection:

Wear chemical resistant goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES:

Form:	Viscous	Flashpoint (°C):	N/A
Odour:	Light	Melting Point/Range:	Undetermined
Density:	1.03g/cm ³ @ 20°C	Boiling Point/Range:	>200°C
Self Ignition Temp:	>200°C	Decomposition Temp:	>140°C
Solubility (water & fat):	Insoluble	Viscosity @ 20°C:	300,000 mpa
Organic Solvents:	<0%	Colour:	Cream

10. STABILITY AND REACTIVITY: No decomposition if used according to specifications. Reacts with alcohols, amines, aqueous acids and alkalis. Reacts with water forming carbon dioxide. Danger of containers bursting because of vapour overpressure.

11. TOXICOLOGICAL INFORMATION: Acute toxicity. Primary irritant effect on the skin, eyes and mucous membranes. Can cause sensitisation through inhalation and skin contact. Persons having a history of asthma or of allergies, chronic or recurring difficulties in breathing, must never use this preparation.

12. ECOLOGICAL INFORMATION: Water hazard class 1 (German Regulation) - slightly hazardous for water.

13. DISPOSAL CONSIDERATIONS: Disposal of material should be by incineration in accordance with local regulations. Completely discharge containers, they may be recycled or reused if decontaminated with a mixture of sodium carbonate and 95% of water and left to react for several days until reaction ceases.

14. TRANSPORT INFORMATION: No regulations apply for the transportation of this material. Not classified as hazardous for road, rail, sea or air transport.

15. REGULATORY INFORMATION:

R20	Harmful by inhalation.
R36/37/38	Irritating to eyes, respiratory system and skin.
R42/43	May cause sensitisation by inhalation and skin contact.
S2	Keep out of reach of children
S23	Do not breathe vapour.
S24	Avoid contact with skin.
S37	Wear suitable gloves.
S45	In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible.

Label Information: Contains: Isocyanates, EEC Symbol, Xn: Harmful

**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.