

1. Identification of the substance / preparation and company

Product name: PRO80 – Part B

Supplier: Beplas Hygienic Walls and Ceilings Ltd

Address: Helix Business Park, New Bridge Road, Ellesmere Port, Wirral CH65 4LR

Emergency telephone number: 0151 356 5727

2. Composition / Information on Ingredients

| Ingredients | Range % Wt. | Symbol | R Phrases | EEC No |
|-----------------------------------------|-------------|--------|-------------------------|-----------|
| diphenylmethane-4,4'-diisocyanate (MDI) | 100% | Xn,Xi | R20 R36/37/38 R42 | 202-966-0 |

3. Hazards Identification

Inhalation: Harmful by inhalation. Irritating to eyes, respiratory system, and skin.

4. First Aid Measures

Inhalation: If aerosol or vapour has been inhaled in high concentrations, remove patient to fresh air, keep warm and allow to rest. Obtain medical attention if breathing is difficult.

Skin: Remove contaminated clothing. Wash with soap and water.

Eye: Flush with water for at least 15 minutes under running water with eyelids held open and obtain medical attention.

Ingestion: **DO NOT induce vomiting.** Immediately rinse mouth and drink plenty of water. Obtain medical attention.

5. Fire-fighting Measures

The material will not support combustion.

Small fires: Use carbon dioxide, dry chemical, sand. **DO NOT** use water extinguisher.

Large fires: As above. Keep containers cool by spraying with water. In case of fire possible formation of carbon monoxide, nitrogen oxide, isocyanate vapour and traces of hydrogen cyanide.

6. Accidental Release Measures

Cover with wet fluid binding material (sand, sawdust, etc). Transfer to labelled open-top container. Keep open and wet for 7-14 days, the waste can then be disposed of at approved landfill site. Prevent from entering sewer or surface water drains.

7. Handling and Storage

Handling: Observe the usual precautionary measures for chemicals. Ensure adequate ventilation or exhaust ventilation in the working area; if material is being heated above 50°C.

Storage: Keep containers tightly closed and dry. Avoid temperatures below 10°C and above 30°C.

8. Exposure Controls / Personal Protection

Respiratory protection:

MDI (MEL) 0.02mg/m³ 8 Hour TWA.

STEL 0.07 mg/m³ (15 minutes TWA)

Required in inadequately ventilated workplaces.

Hand protection: Wear plastic or rubber gloves.

Eye protection: Wear chemical resistant goggles.

Body protection: Change contaminated clothing. Wash hands before breaks and at the end of work.

9. Physical and Chemical Properties

Appearance: Brown liquid

Odour: Musty – Earthy

Solubility: Soluble

Specific gravity: 1.22 @ 20°C Approx.

Flash point: >200°C

Viscosity: 200 cps @ 20°C Approx.

Percentage non-volatiles: Above 99%

10. Stability and Reactivity

Thermal decomposition: Polymerises at about 260°C with evolution of CO².

Hazardous decomposition: No hazardous decomposition products when stored and handled correctly.

Hazardous reaction: Exothermic reaction with amines, alcohols, acids and alkalis. Reacts with water forming CO₂. Closed containers may rupture owing to increased pressure.

11. Toxicological Information

LD50 Oral (rat): > 500 mg/kg

Effect on eyes: Strong irritation, lacrymation, burning.

Effect on skin: Dehydration, possible sensitisation.

12. Ecological Information

Ecotoxicity: Components may be harmful to aquatic life.

Bioaccumulation: Bioaccumulative potential of some components should be considered to be high due to low biodegradation rates.

Aquatic toxicity: Isocyanates; when in contact with water evolve CO₂ and form insoluble solids. Do not allow to enter drains, sewers or waterways.

13. Disposal Consideration

Disposal of the wet adhesive is governed by the Control of Pollution (Special Wastes) Regulations 1980.

Incinerate only in officially approved incinerator. Emptied containers should be disposed of at incineration plants for domestic or industrial waste.

14. Transport Information

Not classified as hazardous for carriage under transport regulations. Keep separate from foodstuffs.

15. Regulatory Information

Contains 4-4'-Diphenylmethane – diisocyanate

Xn - Harmful

Risk Phrases

R20

Harmful by inhalation.

R36/37/38

Irritating to eyes, respiratory system and skin.

R42

May cause sensitisation by skin contact.

Contains:

Isocyanates, see information provided by the manufacturer.

Safety Phrases

S23

Do not breathe fumes.

S26

In case of contact with eyes rinse immediately with plenty of water, seek medical advice.

S28

After contact with skin wash immediately with plenty of soap and water.

S38

In case of insufficient ventilation wear suitable respiratory equipment.

S45

In case of accident or if you feel unwell seek medical advice immediately (show the label if possible).

16. Other Information

This adhesive should be used in accordance with the suppliers recommendations.

The information provided in this data sheet is based on our current knowledge of the product and is intended to describe it for the purpose of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.



NBS Source

Manufacturing Partner

