

# J-Foam 100 Part B

## 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY

**Product Name:** J-Foam 100 Part B  
**Chemical Name:** Isocyanate hardener  
**Supplier:** Jacobson Chemicals Ltd  
 Unit 4  
 Newman Lane Industrial Estate  
 Alton  
 Hants  
 GU34 2QR  
**Telephone:** 01420 86934  
**Fax:** 01420 549574  
**E-mail:** sales@jacobsonchemicals.co.uk

## 2. COMPOSITION

**Substance:** No  
**Substance Name:** Diphenyl Methane-4,4'-Di-Isocyanate  
**EC Index No:** 615 005-01-6  
**CAS Number:** 101-68-8  
**EEC Number:** -

<u>Constituents</u>	<u>Contents</u>	<u>Haz Symt</u>	<u>Risk</u>
Diphenyl Methane-4,4'-Di-Isocyanate	60-100%	Harmful/ Xn	20, 36/37/38, 42/43

## 3. HAZARD IDENTIFICATION

**The most important hazards are:** Harmful by inhalation, irritant to eyes, respiratory system and skin. May cause sensitization by inhalation.

**Inhalation:** Harmful by inhalation  
**Skin Contact:** Irritant to skin.  
**Eye Contact:** Irritating to eyes  
**Ingestion:** -

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## 4. FIRST AID MEASURES

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**Note: Effects may be delayed. Keep affected person under observation.**

<b>Immediate medical attention:</b>	Yes
<b>Professional assistance from physician required?</b>	Yes
<b>Inhalation:</b>	Move the exposed person to fresh air at once. Keep the affected person warm and at rest. Get prompt medical attention. If breathing stops, provide artificial respiration. For breathing difficulties oxygen may be necessary.
<b>Skin Contact:</b>	Remove affected person from source of contamination. Promptly flush contaminated skin with soap or mild detergent and water. Promptly remove clothing if penetrated and flush the skin with water. Get medical attention if discomfort continues.
<b>Eye Contact:</b>	Remove the victim from the source of exposure. Make sure to remove contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eyelids. Continue for at least 15 minutes. Seek medical attention.
<b>Ingestion:</b>	Do not induce vomiting! Never make an unconscious person vomit or drink fluids! Get medical attention immediately! Rinse mouth thoroughly. Provide rest, warmth and fresh air. Drink plenty of water.

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## 5. FIRE-FIGHTING MEASURES

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<b>Extinguishing media:</b>	Powder, foam or CO <sub>2</sub> . Do not use water if avoidable.
<b>Special fire fighting procedures:</b>	Keep run off water out of sewers and water sources. Dike the water control. Avoid wter in straight hose stream; will scatter and spread fire.
<b>Exposure hazards:</b>	Fire creates: Carbon monoxide (CO), Carbon dioxide (CO <sub>2</sub> ), Nitrous gases (NO <sub>x</sub> ), Hydrogen cyanide (HCN).

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## 6. ACCIDENTAL RELEASE MEASURES

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<b>Methods of Cleaning:</b>	Provide ventilation and confine spill. Do not allow runoff to sewer. Absorb with inert, damp, noncombustible material, then flush area with water.
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## 7. HANDLING & STORAGE

<b>Personal Precautions:</b>	Mechanical ventilation or local exhaust ventilation may be required. Avoid spilling, skin and eye contact. During spray application suitable respiratory protection <b>MUST</b> be worn.
<b>Storage Precautions:</b>	Store at moderate temperatures in dry, well ventilated area. Keep containers tightly closed. Diisocyanates react with water liberating CO <sub>2</sub> which can lead to excessive pressure build up in closed containers.

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

Maximum Exposure Limit (MEL): 8 hours: 0.02 mg/m<sup>3</sup>, 15 minutes: 0.07mg/m<sup>3</sup>.

<b>Ventilation:</b>	Provide adequate local and general exhaust ventilation.
<b>Respiratory protection:</b>	Wear respiratory protection with air fed mask during spraying operations.
<b>Hand Protection:</b>	Use protective gloves.
<b>Eye Protection:</b>	Use safety goggles or face shield.
<b>Other Protection:</b>	Wear suitable protective clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact.
<b>Hygienic Work Routines:</b>	Do not smoke in work Area! Wash at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. No eating or drinking while working with this material.

## 9. PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Liquid
<b>Odour:</b>	Earthy
<b>Colour:</b>	Amber brown
<b>Flash Point:</b>	>180°C
<b>Flash Point Method:</b>	Closed Cup, cc
<b>Specific Gravity @ 25°C:</b>	1.25 gcm <sup>-3</sup>
<b>Boiling Point (°C):</b>	>180 @ 760mmHg
<b>Melting Point (°C):</b>	<15
<b>Viscosity:</b>	200 mPas @ 20°C
<b>Solubility in water:</b>	Insoluble in water, reacts
<b>% volatile by volume:</b>	Soluble in organic solvents

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## 10. STABILITY & REACTIVITY

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<b>Stability:</b>	Normally stable
<b>Conditions to avoid:</b>	Avoid heat.
<b>Materials to avoid:</b>	Amines, Alcohols, glycols, strong oxidizing agents.
<b>Hazardous decomposition products:</b>	Fire creates: carbon dioxide, carbon monoxide, hydrogen cyanide, nitrogen oxides.

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## 11. TOXICOLOGICAL INFORMATION

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<b>Health Hazards, General:</b>	Preparation contains isocyanate which may cause allergic reaction and irritation of respiratory system.
<b>Inhalation:</b>	Prolonged inhalation of high concentrations may damage respiratory system. May cause sensitization by inhalation.
<b>Ingestion:</b>	May cause irritation of the gastrointestinal tract.
<b>Skin:</b>	Slightly irritating. May cause sensitization by skin contact.
<b>Eyes:</b>	Irritating to eyes.

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## 12. ECOLOGICAL INFORMATION

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<b>Environmental Hazards:</b>	Little danger to the environment.
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## 13. DISPOSAL CONSIDERATIONS

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Dispose of in accordance with local authority regulations.

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## 14. TRANSPORT INFORMATION

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<b>UN Number:</b>	None
<b>Proper Shipping Name:</b>	None
<b>Additional Data:</b>	Non hazardous for transport
<b>IMO - Sea:</b>	None
<b>ICAO - Air:</b>	None
<b>ADR - Road:</b>	None
<b>Transport Category:</b>	None
<b>Limited Quantity Size:</b>	None

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## 15. REGULATORY INFORMATION

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<b>Supply label information:</b>	Harmful
<b>Hazard Symbol:</b>	<b>Xn</b>
<b>Risk Phrases:</b>	R20: Harmful by inhalation. R36/37/38: Irritating to eyes, respiratory system and skin. R42/43: May cause sensitization by inhalation and skin contact.
<b>Safety Phrases:</b>	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S23B: DO not breathe vapour/spray. S24/25: Avoid contact with skin and eyes. Keep container tightly closed when not in use. Do not allow the ingress of moisture. S37: Wear suitable gloves. 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 label where possible). Contains isocyanate. See information supply by the manufacturer. Keep container tightly closed when not in use. Do not allow the ingress of moisture. S60: This material and its container must be disposed of as hazardous waste.
<b>EC Directives:</b>	System of specific information relating to Dangerous Preparations. 91/115.
<b>Statutory Instruments:</b>	Chemicals (Hazard Information and Packaging) Regulations. Control of Substances Hazardous to Health.
<b>Approved Code of Practice:</b>	Classification and labeling of Substances and Preparations Dangerous for Supply.
<b>Guidance Notes:</b>	Occupational Exposure Limits EH40 Introduction to Local Exhaust Ventilation HS(G)37 CHIP for everyone HSG(108)

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## 16. OTHER INFORMATION

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| <b>a) Training needs:</b>                    | For further information contact our office.   |
| <b>b) Recommended uses and restrictions:</b> | For use as a flexible moulding material for industrial applications only. Not for direct contact onto skin on any account.            |
| <b>c) Further references:</b>                |   |
| <b>d) Key data sources:</b>                  | Dangerous Properties of Industrial Materials Report, N.Sax et.al.<br>Handbook of Environmental Data on Organic Chemicals, Verschuren. |

The data contained in this Safety Data Sheet has been supplied as required, by the Chemicals (Hazard Identification and Packaging) Regulations 1994, as amended, for the purposes 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 in your company, who is capable of acting on the information.

**NOTE:**

This data sheet does not constitute a user's assessment of workplace risk as required by HSW Act, COSHH, Management of Health and Safety at Work regulations, or other Health & Safety at Work regulations.