

Material Safety Data Sheet

CS: 1.4.18

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Infosafe No™	LPWZF	Issue Date : November 2007	ISSUED by BARNES	CS: 1.4.18
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Product Name : **4PU - PART B**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name	4PU - PART B
Company Name	Barnes Products Pty Ltd (ABN 004 011 456)
Address	6 Homedale Road Bankstown NSW 2200
Emergency Tel.	(02) 9793 7555
Telephone/Fax Number	Tel: (02) 9793 7555 Fax: (02) 9793 7091
Recommended Use	Polyol - Casting resin.
Other Information	Information provided has been prepared in good faith and believed to be correct. Barnes Products Pty Limited make no warranty either express or implied as to completeness, accuracy thereof, misuse or misinterpretation of this information.

2. HAZARDS IDENTIFICATION

Hazard Classification	NON-HAZARDOUS SUBSTANCE. NON-DANGEROUS GOODS. Hazard classification according to the criteria of NOHSC. Dangerous goods classification according to the Australia Dangerous Goods Code.
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3. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	Name	CAS	Proportion
	Ingredients determined not to be hazardous		100 %
Other Information	This product contains Hydroxyl Terminated Poly (Oxyalkylene) Polyether and Amine Bearing Hydroxyl Terminated Poly (oxyalkylene) Polyether.		

4. FIRST AID MEASURES

Inhalation	If inhaled, remove from contaminated area. Apply artificial respiration if not breathing. If symptoms develop seek medical attention.
Ingestion	Do not induce vomiting. Wash out mouth with water. If symptoms develop seek medical attention.
Skin	Wash affected area thoroughly with soap and water. If symptoms develop seek medical attention.
Eye	If contact with the eye(s) occurs, wash with copious amounts of water holding eyelid(s) open. Take care not to rinse contaminated water into the non-affected eye. If symptoms persist seek medical attention.
First Aid Facilities	Normal washroom facilities.
Advice to Doctor	Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Use Dry chemical, foam or water spray.
Hazards from Combustion Products	Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide, carbon dioxide and nitrogen oxides.
Specific Hazards	Combustible substance.
Precautions in connection with Fire	Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.
Unsuitable Extinguishing Media	Do not use solid water stream or foam into hot, burning pools, this may cause frothing and increase the fire intensity.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures	Wear appropriate personal protective equipment and clothing to minimise exposure. Extinguish or remove all sources of ignition and stop leak if safe to do so. Increase ventilation. Evacuate all unnecessary personnel. If possible contain the spill. Place inert absorbent material onto spillage. Use clean non-sparking tools to collect the material and place into a suitable labelled container. Do not dilute
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material but contain. Dispose of waste according to federal, Environmental Protection Authority and state regulations. If the spillage enters the waterways contact the Environmental Protection Authority, or your local Waste Management Authority.

7. HANDLING AND STORAGE

Precautions for Safe Handling	Use in a well ventilated area. Build up of vapours in the atmosphere must be prevented. If contamination with isocyanates is suspected, do not re-seal container because of possible rupture due to pressure build up. Always slowly vent container when opening to relieve any pressure build up. Do not use near welding or other ignition sources and avoid sparks. Do not smoke. Wear appropriate protection. It is essential that all who come into contact with this material maintain high standards of personal hygiene ie. washing hands prior to eating, drinking, smoking or using toilet facilities.
Conditions for Safe Storage	Store in a cool, dry well-ventilated area away from heat, sources of ignition, oxidising agents, foodstuffs, and clothing and out of direct sunlight. Keep containers closed when not in use and securely sealed and protected against physical damage. Inspect regularly for deficiencies such as damage or leaks.
Storage Temperatures	18 - 24°C
Other Information	Average shelf life of 6 months.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards	No exposure standards have been established for this material by the National Occupational Health And Safety Commission (NOHSC).
Biological Limit Values	No biological limit allocated.
Engineering Controls	Use with good general ventilation. If mists or vapours are produced local exhaust ventilation should be used.
Respiratory Protection	If engineering controls are not effective in controlling airborne exposure then respiratory protective equipment should be used suitable for protecting against airborne contaminants. Final choice of appropriate breathing protection is dependant upon actual airborne concentrations and the type of breathing protection required will vary according to individual circumstances. Expert advice may be required to make this decision. Reference should be made to Australian Standards AS/NZS 1715, Selection, Use and maintenance of Respiratory Protective Devices; and AS/NZS 1716, Respiratory Protective Devices.
Eye Protection	Safety glasses with side shield protection or chemical goggles as appropriate recommended. Final choice of appropriate eye/face protection will vary according to individual circumstances i.e. methods of handling or engineering controls and according to risk assessments undertaken. Eye protection should conform with Australian/New Zealand Standard AS/NZS 1337 - Eye Protectors for Industrial Applications.
Hand Protection	Wear gloves of impervious material. Final choice of appropriate gloves will vary according to individual circumstances i.e. methods of handling or according to risk assessments undertaken. Reference should be made to AS/NZS 2161.1: Occupational protective gloves - Selection, use and maintenance.
Body Protection	Wear appropriate clothing including chemical resistant apron where clothing is likely to be contaminated. It is advisable that a local supplier of personal protective clothing is consulted regarding the choice of material.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Clear to water white, viscous liquid.
Odour	Mild odour.
Melting Point	< - 20°C
Boiling Point	Decomposes.
Solubility in Water	Slightly soluble.
Specific Gravity	1.026
pH Value	Not available
Vapour Pressure	< 30 mmHg
Vapour Density (Air=1)	> 1.0
Flash Point	182°C
Flammable Limits - Lower	Not available

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Flammable Limits - Upper Not available

10. STABILITY AND REACTIVITY

Chemical Stability This product is hygroscopic.
Conditions to Avoid Extremes of temperature, direct sunlight and moisture.
Incompatible Materials Isocyanates and other substances that react with hydroxyl groups.
Hazardous Decomposition Products Thermal decomposition may result in the release of toxic and/or irritating fumes including aliphatic fragments and carbon oxides.
Hazardous Polymerization Will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information No toxicology data available for this product.
Inhalation Inhalation of product vapours may cause irritation of the nose, throat and respiratory system.
Ingestion Ingestion of this product may irritate the gastric tract causing nausea and vomiting.
Skin May cause redness, itching and irritation.
Eye May cause eye irritation, tearing, stinging, blurred vision, and redness.
Chronic Effects Not available.

12. ECOLOGICAL INFORMATION

Ecotoxicity No data is available for this material.
Persistence / Degradability Not available
Mobility Not available
Environ. Protection Avoid contaminating waterways.

13. DISPOSAL CONSIDERATIONS

Disposal Considerations Dispose of waste according to federal, EPA and state regulations.

14. TRANSPORT INFORMATION

Transport Information Not classified as Dangerous Goods, according to the Australian Code for the Transport of Dangerous Goods by Road and Rail.

15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

16. OTHER INFORMATION

Date of preparation or last revision of MSDS Contact Person/Point MSDS Created: November 2007
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