

Material Safety Data Sheet

Page 1 of 3

Infosafe No. 2RLBF Issue Date : May 2004 ISSUED by RLA

Product Name : **RL1017 POLYURETHANE ADHESIVE**

Classified as hazardous

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND COMPANY

Product Name RL1017 POLYURETHANE ADHESIVE
Product Code RL1017
Product Use Flooring adhesive.
Company Name RLA POLYMERS PTY. LTD. (ABN 004 709 915)
Address 215 COLCHESTER ROAD KILSYTH
VIC. 3137
Emergency Tel. AH (03) 9270 5700
Telephone/Telex Number Tel: (03) 9728 1644 Fax: (03) 9728 6009

2. COMPOSITION/INFORMATION ON INGREDIENTS

Composition, information on ingredients Moisture cured polyurethane.

Chemical Characterization Liquid

Ingredients	Name	CAS	Proportion
	Diphenylmethane-4,4'-diisocyanate	101-68-8	0.01-0.5 %

3. HAZARDS IDENTIFICATION

Harmful
May cause sensitisation by inhalation.
The product contains isocyanates.

4. FIRST AID MEASURES

Ingestion In the case of ingestion or breathing irritation it is necessary to consult a doctor.
Skin In case of product contact with skin, remove by hand and wash carefully with plenty of soap and water.
Eye In the case of product contact with eyes, rinse carefully with plenty of water and consult a doctor.

5. FIRE FIGHTING MEASURES

No unusual fire danger. The flash point is greater than 61 Degs.C. Not spontaneously combustible.
Extinguishing Media Anti-fire powder. Nebulised water. Carbon dioxide.
Hazardous Combustion Products In the case of fire the following substances may form: carbon monoxide, nitric oxide, isocyanate vapours and traces of cyanidric acid.
Unsuitable Extinguishing Media None.
Protective Equipment Wear the special aqualung to extinguish flames.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal Do not dispose of in drains. Clean away leakage mechanically; cover leakage with damp absorbent material (eg. sawdust, reactive chemical binders based on calcium hydrate silicate, sand). After 1 hour collect in a waste container. Do not close (it develops carbon dioxide). Keep humid and leave for many days in the open air, in a controlled area.

7. HANDLING AND STORAGE

The product should be kept dry and airtight in a cool airy place which is protected from sunlight.
The temperature should be between + 5 Degs.C. and + 28 Degs.C.
Handling Avoid contact with skin and eyes.

Material Safety Data Sheet

Page 2 of 3

Infosafe No. 2RLBF Issue Date : May 2004 ISSUED by RLA

Product Name : **RL1017 POLYURETHANE ADHESIVE**

Classified as hazardous

8. EXPOSURE CONTROLS, PERSONAL PROTECTION

Provide sufficient air ventilation/aspiration in working areas.

Personal Protective Equipment Wear protective working clothes, boots, overalls and butyl rubber, neoprene or nitrile rubber gloves.
Carefully wash with soap and water after work or before eating, drinking or smoking. Contaminated clothing should be washed or dry cleaned before reuse.
Wear chemical-proof glasses.

9. PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity (H₂O=1) approx. 1.35
Viscosity approx. 35,000 CPS
Flash Point > 200 degs.C.

10. STABILITY AND REACTIVITY

Product remains stable if handled and contained in recommended storage conditions.

Hazardous Reaction MDI base products react with many substances by generating heat, such as: chemical bases (eg. caustic soda), ammonia, primary and secondary amine, alcohol, water and acids. MDI base products are insoluble in water and as they are denser than water, precipitate to the bottom, slowly reacting on the interface. The reaction forms a solid polyurea layer which is not soluble in water and which releases carbon dioxide.

Conditions to Avoid Avoid excessive heat.

11. TOXICOLOGICAL INFORMATION

Toxicology Information The product contains isocyanates under the limits of dangerousness.

Ingestion Toxicity is low. The oral dosage is low. The oral LD₅₀ for rats is >2000 mg/kg. (body weight).

Skin Skin sensitivity can be developed following prolonged and repeated contact.

Mutagenicity May cause sensitisation.

12. ECOLOGICAL INFORMATION

Mobility Valuation widely or completely based on data relative to similar materials.
Environment mobility is limited by the formation of insoluble polymers.
Chemically harmless insoluble polyurea forms in damp environments.
Volatilisation from water to air has not been verified.

Persistence / Degradability The polyurea biodegradation in static laboratory conditions is estimated to be low.
The product is not biodegradable.

Ecotoxicity The substance is estimated to be non toxic for fish, Daphnia and bacteria on an acute static base.

13. DISPOSAL CONSIDERATIONS

The generation of waste should, if possible, be avoided or minimized. The recommended waste disposal method is by incineration in controlled and approved conditions, using suitable incinerators especially designed for the disposal of dangerous chemical waste. Small quantities of waste may be pre-treated, for example, with polyol, for neutralisation and then delivered to an authorised recycling company.

14. TRANSPORT INFORMATION

U.N. Number None Allocated
Proper Shipping Name None Allocated
DG Class None Allocated

Material Safety Data Sheet

Page 3 of 3

Infosafe No. 2RLBF Issue Date : May 2004 ISSUED by RLA

Product Name : **RL1017 POLYURETHANE ADHESIVE**

Classified as hazardous

Hazchem Code None Allocated
Packing Group None Allocated
UN Number (Road Transport) The product is not considered dangerous goods.

15. REGULATORY INFORMATION

Risk Phrase Xn Harmful
R42 May cause sensitization by inhalation.
Safety Phrase S3 Keep in a cool place S24/25 Avoid contact with skin and eyes. S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 S51 Use only in well-ventilated areas.
Poisons Schedule Not Scheduled

16. OTHER INFORMATION

Last Change Date of last revision: 13/5/04
...End Of MSDS...