

# Material Safety Data Sheet

Page: 1 of 3

Infosafe No™ 2RLBF Issue Date : July 2008 ISSUED by RLA

Product Name **RL1017 POLYURETHANE ADHESIVE**

Classified as hazardous

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

**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** Tel: (03) 9728 1644  
**Number/Fax** Fax: (03) 9728 6009  
**Other Information** This MSDS summarises to the best of our knowledge the health and safety hazard information of the product and how to safely handle and use the product in the workplace.

## 2. COMPOSITION/INFORMATION ON INGREDIENTS

**Composition, information on ingredients** Moisture cured polyurethane.

**Chemical Characterization** Liquid

<b>Ingredients</b>	<b>Name</b>	<b>CAS</b>	<b>Proportion</b>	<b>Hazard Symbol</b>	<b>Risk Phrase</b>
	Diphenylmethane-4,4'-diisocyanate	101-68-8	0.01-0.5 %	Xn, Xi	R20, R36/37/38, R42

## 3. HAZARDS IDENTIFICATION

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

**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.

## 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

**Extinguishing Media** No unusual fire danger. The flash point is greater than 61 Degs.C. Not spontaneously combustible.  
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.

**Flash Point** > 200 degs.C.

## 6. ACCIDENTAL RELEASE MEASURES

# Material Safety Data Sheet

Page: 2 of 3

Infosafe No™ 2RLBF Issue Date : July 2008 ISSUED by RLA

Product Name **RL1017 POLYURETHANE ADHESIVE**

Classified as hazardous

**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

**Handling** 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.  
Avoid contact with skin and eyes.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

**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.  
**Other Information** VOC Content < 50 grams/litre

## 10. STABILITY AND REACTIVITY

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

# Material Safety Data Sheet

Page: 3 of 3

Infosafe No™ 2RLBF Issue Date : July 2008 ISSUED by RLA

Product Name **RL1017 POLYURETHANE ADHESIVE**

Classified as hazardous

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

**Storage and Transport** Not classified as dangerous.  
**UN Number (Road Transport)** The product is not considered dangerous goods.

## 15. REGULATORY INFORMATION

Xn Harmful  
**Risk Phrase** 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

**Contact Person/Point** In Australia: RLA Polymers Pty. Ltd. - Group Operations Manager: 03 9728 1644 (Business Hours)  
For emergency information outside normal business hours, please ring:  
SECURITY MONITORING 13 15 18  
They will contact the relevant personnel.  
  
The information herein is given in good faith, but subject to the Trade Practices Act 1974, no warranty, expressed or implied, is made.  
RL207  
**Last Change** Date of last revision: 11/7/08  
**Poisons Schedule** Not Scheduled  
...End Of MSDS...

© Copyright ACOHS Pty Ltd  
Copyright in the source code of the HTML, PDF, XML, XFO and any other electronic files rendered by an Infosafe system for Infosafe MSDS displayed on this site is the intellectual property of Acohs Pty Ltd.  
Copyright in the layout, presentation and appearance of each Infosafe MSDS displayed on this site is the intellectual property of Acohs Pty Ltd.  
The compilation of MSDS's displayed on this site is the intellectual property of Acohs Pty Ltd.  
Copying of any MSDS displayed on this site is permitted for personal use only and otherwise is not permitted. In particular the MSDS's displayed on this site cannot be copied for the purpose of sale or licence or for inclusion as part of a collection of MSDS without the express written consent of Acohs Pty Ltd.