

Material Safety Data Sheet

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Infosafe No. 2RL61 Issue Date : December 2006 ISSUED by RLA

Product Name : **RL1032/1**

Classified as hazardous

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

Product Name RL1032/1
Product Code RL1032/1
Product Use Adhesive / binder for rubber crumb.
Company Name RLA POLYMERS PTY. LTD. (ABN 004 709 915)
Address 215 COLCHESTER ROAD KILSYTH
VIC. 3137
Emergency Tel. AH (03) 9270 5700
Telephone Number/Fax Tel:
(03) 9728 1644
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

Chemical Characterization Liquid

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Polyurethane prepolymer	Mixture	10-90 %	Xn, Xi	R20, R36/37/38, R42
	Diphenylmethane-4,4'-diisocyanate	101-68-8	10-40 %	Xn, Xi	R20, R36/37/38, R42

3. HAZARDS IDENTIFICATION

Harmful by inhalation.
Irritating to eyes, respiratory system and skin.
May cause sensitization by inhalation.

Chronic Effects Animal studies have shown that respiratory sensitisation can be induced by skin contact with known respiratory sensitizers including diisocyanates.

Inhalation The vapour is an irritant to the mucous membranes and respiratory tract. Respiratory sensitizer. Inhalation of mists or aerosols may produce respiratory irritation.

Ingestion May cause gastric irritation.

Skin Contact with skin will result in mild irritation. Repeated or prolonged skin contact may lead to dermatitic effects.

Eye A severe eye irritant. May cause conjunctivitis.

4. FIRST AID MEASURES

Inhalation Remove victim from exposure - avoid becoming a casualty. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. If breathing laboured and patient cyanotic (blue), ensure airways are clear and have qualified person give oxygen through a face mask. If breathing has stopped apply artificial respiration at once. In the event of cardiac arrest, apply external cardiac massage. Seek medical advice.

Ingestion Rinse mouth thoroughly with water immediately. Give plenty of water to drink. Do not induce vomiting. Seek immediate medical assistance.

Skin Wash with plenty of soap and water. Remove contaminated clothing and wash before re-use. If swelling, redness, blistering or irritation occurs seek medical advice.

Eye Immediately irrigate with copious quantity of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

First Aid Facilities Poison Information Centres in each State capital city can provide additional assistance for scheduled poisons.

Advice to Doctor Treat symptomatically. Effects may be delayed.

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5. FIRE FIGHTING MEASURES

Specific Methods	Fire fighters to wear self-contained breathing apparatus if risk of exposure to products of decomposition. Extinguish fire with the following: powder, water spray, foam, carbon dioxide,
Specific Hazards	On burning will emit toxic fumes including those of Carbon and Nitrogen Oxides.
Decomposition Temp.	On burning will emit toxic fumes including those of Carbon and Nitrogen oxides.
Flash Point	>200 Deg. C.
Flammable Limits	Not available.
LEL	
Flammability	Combustible.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal	Increase ventilation. Wear protective equipment to prevent skin and eye contamination and inhalation of vapours. Cover spill with wet soil, wet sand or solid decontaminant and leave to react for ten minutes. Collect into drums for further decontamination if necessary. Refer to State Land Waste Management Authority for disposal.
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7. HANDLING AND STORAGE

Storage	Store in well ventilated area. Store away from sources of heat or ignition. Store away from foodstuffs. Keep dry - reacts with water; may lead to drum rupture. Keep containers closed at all times.
Storage Temperatures	Recommended storage temperature 20 - 25 C.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Other Exposure Information	No value assigned for this specific material by the National Occupational Health and Safety Commission (Worksafe Australia.) For constituent : Exposure Standard: Isocyanates, all (as -NCO) TWA 0.02mg./m3 STEL 0.07mg./m3 Notices 'Sen' 'Sen' notice - sensitiser. The substance can cause a specific immune response in some people. An affected individual may subsequently react to exposure to minute levels of that substance. TWA - the Time-weighted Average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life. STEL (Short Term Exposure Limit) - the average airborne concentration over a 15 minute period which should not be exceeded at any time during a normal eight-hour work day. According to current knowledge these concentrations should neither impair the health of, nor cause undue discomfort to, nearly all workers. These Exposure Standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
Respiratory Protection	Always use air supplied respirator if inhalation risk exists.
Eye Protection	Safety glasses.
Hand Protection	PVC, neoprene or nitrile rubber gloves.
Footwear	Boots.
Body Protection	Overalls or similar protective apparel.
Eng. Controls	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use with local ventilation or while wearing air supplied mask. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Keep containers closed when not in use.

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Hygiene Measures Always wash hands before eating, drinking, smoking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using. Contaminated overalls should be decontaminated in 8% (dilute) ammonia solution for one hour and laundered before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Almost colourless to yellowish liquid.

Decomposition Temperature On burning will emit toxic fumes including those of Carbon and Nitrogen oxides.

Melting Point Not applicable.

Boiling Point Not available.

Solubility in Water Not miscible. Reacts.

Solubility in Organic Solvents Soluble in many organic solvents.

Specific Gravity (H₂O=1) Approx. 1.09

pH Value Not applicable.

Vapour Pressure < 0.0003 mmHg @ 25 deg C

Vapour Density (Air=1) >1

Viscosity Viscous liquid.

Flash Point >200 Deg. C.

Flammability Combustible.

Flammable Limits LEL Not available.

10. STABILITY AND REACTIVITY

Materials to Avoid Will react exothermically with water and all organic compounds containing reactive hydrogen groups.

11. TOXICOLOGICAL INFORMATION

Inhalation The vapour is an irritant to the mucous membranes and respiratory tract. Respiratory sensitizer. Inhalation of mists or aerosols may produce respiratory irritation.

Ingestion May cause gastric irritation.

Skin Contact with skin will result in mild irritation. Repeated or prolonged skin contact may lead to dermatitic effects.

Eye A severe eye irritant. May cause conjunctivitis.

Chronic Effects Animal studies have shown that respiratory sensitisation can be induced by skin contact with known respiratory sensitizers including diisocyanates.

Other Information RISK STATEMENT: R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R42 May cause sensitization by inhalation. SAFETY STATEMENT: S26 In case of contact with eyes, rinse immediately with water and contact a doctor or Poisons Information Centre. S28 After contact with skin, wash immediately with plenty of water (warm soapy water, if available). S38 If insufficient ventilation, wear suitable respiratory equipment. S45 In case of accident or if unwell, contact a doctor or Poisons Information Centre immediately (show the label where possible).

12. ECOLOGICAL INFORMATION

Environ. Protection Do not allow material to enter drains or waterways.

13. DISPOSAL CONSIDERATIONS

Waste Disposal Do not allow into any sewers, drains, on the ground or into any body of water. Any disposal must be in accordance with applicable State, Territory and/or Local government regulations. The preferred waste management option for unused, uncontaminated, unformulated, or not otherwise altered material, is to send to an approved recycler, reclaimer, or incinerator. The same waste management options are

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recommended for used or contaminated material, although additional evaluation is required.

Waste characterization and disposal compliance are the responsibility solely of the party generating the waste or deciding to discard or dispose of the material. None of these waste management options should be considered 'arranging for disposal'.

Chemical additions, processing, storage, or otherwise altering this material may make the waste management information presented in this MSDS incomplete, inaccurate or otherwise inappropriate.

CONTAMINATED PACKAGING: Any disposal of contaminated packaging and washings must be in accordance with State, Territory and/or Local government regulations. After container has been cleaned and labelling has been removed, empty containers can be sent for recycling or disposal. If the container is to be reconditioned, the reconditioning company should be made aware of the nature of the original contents.

14. TRANSPORT INFORMATION

	Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
U.N. Number	None Allocated
Proper Shipping Name	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
Packing Group	None Allocated

15. REGULATORY INFORMATION

Risk Phrase	R20 Harmful by inhalation. R36/37/38 Irritating to eyes, respiratory system and skin. R42 May cause sensitization by inhalation.
Safety Phrase	S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S28 After contact with skin, wash immediately with plenty of S38 If insufficient ventilation, wear suitable respiratory equipment. S45 In case of accident or if you feel unwell seek medical advice immediately
Poisons Schedule	Not Scheduled
Hazard Category	Harmful, Irritant

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.
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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: 11/12/06
Poisons Schedule	Not Scheduled
Hazard Category	Harmful, Irritant ...End Of MSDS...