

Material Safety Data Sheet

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Infosafe No™ 1RM8B Issue Date :March 2008 ISSUED by RLA

Product Name **RL1035/1 PART B**

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name RL1035/1 PART B
Product Code RL1035/1 PART B
Company Name RLA POLYMERS PTY. LTD. (ABN 004 709 915)
Address 215 COLCHESTER ROAD KILSYTH
VIC. 3137
Emergency Tel. AH (03) 9270 5700
Telephone/Fax Number Tel: (03) 9728 1644
Fax: (03) 9728 6009
Recommended Use Part B (Hardener) of a two component polyurethane adhesive.
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. HAZARDS IDENTIFICATION

Hazard Classification HAZARDOUS SUBSTANCE.
NON-DANGEROUS GOODS.
Hazard classification according to the criteria of NOHSC.
Dangerous goods classification according to the Australia Dangerous Goods Code.
Risk Phrase(s) R20 Harmful by inhalation.
R36/37/38 Irritating to eyes, respiratory system and skin.
R42 May cause sensitization by inhalation.
Safety Phrase(s) 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

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characterization Liquid

Ingredients	Name	CAS	Proportion	Hazard Symbol	Risk Phrase
	Polymethylene polyphenyl isocyanate containing 4,4'methylene bisphenyl isocyanate	9016-87-9 101-68-8	100 % -		

4. FIRST AID MEASURES

Inhalation Remove to fresh air. If not breathing, apply resuscitation. If breathing is difficult, oxygen should be administered by qualified personnel. Call a doctor and/or transport to an emergency hospital.
Ingestion Never give fluids or induce vomiting if patient is unconscious or is having convulsions. If poisoning occurs, contact a doctor or Poisons Information Centre. If swallowed, seek medical attention. Do not induce vomiting unless directed to do so by medical personnel.
Skin In case of skin contact, immediately flush skin with plenty of water (warm, soapy water, if available) for at least 15 minutes while removing contaminated clothing and shoes.
Eye Flush eyes with plenty of water. Materials containing MDI may react with the moisture of the eye forming a thick material which may be difficult to wash from the eyes.
Advice to Doctor The manifestations of respiratory symptoms, including pulmonary edema, resulting from acute exposure may be delayed. No specific antidote. Supportive care. Treatment based on judgment of the doctor in response to reactions of the patient.
Other Information An eye wash fountain, safety shower and a general washing facility should

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beavailable in immediate work area.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media Foam, dry agent. Water fog may be used if no other media is available.

Specific Hazards Combustible liquid. On burning, may emit toxic fumes of carbon oxides, nitrogen oxides, isocyanate vapours and hydrogen cyanide. Fire fighters to wear self contained breathing apparatus if risk of exposure to vapour or combustion products.

6. ACCIDENTAL RELEASE MEASURES

Spills & Disposal MAJOR SPILL: Clear away all unprotected personnel. Wear full protective equipment. Contain spill with wet soil, wet sand or solid decontaminant. Let material react for 10 minutes. Collect into open top drums for further decontamination and disposal. Wash area with water.

MINOR SPILL: Wear protective equipment. Absorb spill with absorbent and collect into open top containers. Decontaminate area with solution of 5 - 10% sodium carbonate or a water/ammonia solution with added detergent.

7. HANDLING AND STORAGE

Conditions for Safe Storage Not defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail. Protect from atmospheric moisture.

Other Information In accordance with good manufacturing practices, good general ventilation of the processing area is recommended. Spills of organic liquids on hot fibrous insulation may result in spontaneous combustion and lead to fire. The reaction of polyols and isocyanates generate heat.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Other Exposure Information Workplace Exposure Standard (ES)# for: Isocyanates (as -NCO): 0.02 mg/m³ TWA. 0.07 mg/m³ STEL. Sen. # - Exposure Standard for Atmospheric Contaminants in the Occupational Environment, published by Worksafe Australia. TWA - Time weighted average exposure STEL - Short term exposure limit. Sen. - Sensitiser.

Engineering Controls Provide general and/or local exhaust ventilation to control airborne levels below the exposure standards.

Respiratory Protection Use approved respirator if inhalation risk exists.

Eye Protection Use approved safety eyewear. If vapour causes discomfort, use a full face respirator.

Hand Protection Use appropriate Neoprene or butyl rubber gloves.

Footwear Safety boots.

Body Protection Overalls or full body suit.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form Liquid

Appearance Brown liquid.

Specific Gravity 1.23 at 25°C

Vapour Pressure less than 0.00001 mm Hg at 25°C

Vapour Density (Air=1) Approx. 8.6

Flash Point Greater than 200°C

Flammability Will support combustion. Toxic fumes are released in fire situations.

Flammable Limits - Lower Not determined

Other Information SOLUBILITY IN WATER: Reacts

10. STABILITY AND REACTIVITY

Hazardous Reactions Will react with water, acids, bases, alcohols.

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11. TOXICOLOGICAL INFORMATION

Toxicology Information	SWALLOWED: The oral LD50 for rats is greater than 10,000 mg/kg. SKIN: The LD50 for skin absorption in rabbits is greater than 9,400 mg/kg. MUTAGENICITY (EFFECTS ON GENETIC MATERIAL): Mutagenicity data on MDI are inconclusive. MDI was weakly positive in some in vitro (test tube) studies; other in vitro studies were negative. A mutagenicity study in animals was negative.
Inhalation	At room temperature, vapours are minimal due to low vapour pressure. However certain operations may generate vapour or aerosol concentrations sufficient to cause irritation or other adverse effects. Such operations include those in which the material is heated, sprayed or otherwise mechanically dispersed such as drumming, venting or pumping. Excessive exposure may cause irritation of the eyes, upper respiratory tract and lungs. May cause respiratory sensitisation in susceptible individuals. MDI concentrations below the exposure standards may cause allergic respiratory reactions in individuals already sensitised. Symptoms may include coughing, difficult breathing and a feeling of tightness in the chest. Effects may be delayed. Impaired lung function (decreased ventilatory capacity) has been associated with over-exposure to isocyanates.
Ingestion	Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amounts incidental to normal handling operations.
Skin	Prolonged or repeated exposure may cause skin irritation. May stain the skin. Skin contact may result in allergic skin reactions or respiratory sensitisation but is not expected to result in absorption of amounts sufficient to cause other adverse effects.
Eye	May cause slight eye irritation. Corneal injury is unlikely.
Chronic Effects	SYSTEMIC (OTHER TARGET ORGAN) EFFECTS: Tissue injury in the upper respiratory tract and lungs has been observed in laboratory animals after repeated excessive exposures to MDI/Polymeric MDI aerosols.

12. ECOLOGICAL INFORMATION

Environ. Protection Prevent this material entering waterways, drains and sewers.

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 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

Storage and Transport Not classified as dangerous.

15. REGULATORY INFORMATION

Poisons Schedule Not Scheduled

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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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RL207

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