

Material Safety Data Sheet

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Infosafe No. 1RL5N Issue Date : September 2002 APPROVED by RLAPOLYM

Product Name : **ROBERTS 5216 CARPET SEAM ADHESIVE**

Classified as hazardous according to criteria of NOHSC

COMPANY DETAILS

Company Name RLA POLYMERS PTY. LTD. (ABN 004 709 915)
Address 215 COLCHESTER ROAD KILSYTH
VIC. 3137
Emergency Tel. AH (03) 9270 5700
Tel/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.

IDENTIFICATION

Product Code R5216
Product Name ROBERTS 5216 CARPET SEAM ADHESIVE
UN Number 1133
Product Use Roberts 5216 carpet seam adhesive is used for bonding carpet seams together when a direct-stick installation method is used.

Physical Data

Appearance Clear to pale yellow liquid with aromatic, aliphatic solvent odour.
Melting Point N/A
Boiling Point 62°C - 111°C
Vapour Pressure Hex=296.4@38°C;2Butanone=71.7@20°C;Tol=20@18.4°C.mmHg
Specific Gravity approx 0.82
Flash Point Hexane -30°C
Flamm. Limit LEL Hex 1.2-7.5%;2Butanone 1.8-11.5%;Tol 1.27-7% (Lel-Uel)

Other Properties

Volatile Component approx 78% by weight
Vapour Density Hexane=3.03; 2Butanone=2.50; Toluene=3.14; (air=1)
Form Liquid
Other Information EVAPORATION RATE: Hex= 8.4; 2Butanone= 4.5; Toluene= 2.31; (nBuAc=1) SOLUBILITY IN H2O: 2Butanone is soluble. BOILING RANGES: Hex 62-67°C; 2Butanone 79.4-80.4°C; Toluene 110-111°C.

Ingredients

Ingredients	Name	CAS	Proportion
	HEXANE	110-54-3	30-60 %
	2-BUTANONE	78-93-3	10-30 %
	Toluene	108-88-3	10-30 %
	PHENOLIC RESIN		10-30 %
	POLYCHLOROPRENE		10-30 %

Other Information STABILISERS < 2% by weight
ANTIOXIDANT < 0.5% by weight

HEALTH HAZARD INFORMATION

Health Effects

Acute - Swallowed Moderately toxic. May cause irritation to mouth, throat and stomach.
Acute - Eye A moderate eye irritant.
Acute - Skin Repeated or prolonged skin contact may lead to irritation. Will have a defatting effect on the skin.

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Acute - Inhaled The vapour is an irritant to the mucous membranes and respiratory tract. Narcotic. Inhalation of vapour can result in headaches, dizziness and possible nausea. Possible CNS effects. Misuse resulting in concentrating and inhaling of vapours can be harmful or fatal.

Chronic Evidence from studies on exposed workers indicate that repeated or prolonged exposure to this chemical could result in central system disorders. These particular data are not considered relevant to normal industrial use but emphasise the need for care in handling.

First Aid

Swallowed Rinse mouth thoroughly with water immediately. Give water or milk to drink. DO NOT induce vomiting. DO NOT induce vomiting because of risk of aspiration. Seek medical attention. Watch for toxic effects.

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

Skin Wash with plenty of soap and water. First rinse with plenty of water, then remove contaminated clothes, rinse again, If irritation occurs seek medical advice. Remove contaminated clothing and wash before re-use.

Inhaled For all but the most minor symptoms arrange for patient to be seen by a doctor as soon as possible - either on site or at the nearest hospital. Remove victim to fresh air.

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits	Name	STEL		TWA		Footnote
		mg/m3	ppm	mg/m3	ppm	
	HEXANE			76	50	
	2-BUTANONE			445	155	
	Toluene	565	150	377	100	
Other Exposure Info.	TOLUENE: OSHA PEL: TWA 200 ppm: CL 300: PK 500/10m. ACGIH TLV: TWA 100 ppm: STEL 150 ppm. BEI: Toluene in venous blood end of shift 1mg/L. DFG MAK: 100 ppm. (375mg/m3). BAT: Blood end of shift 340µg/dL. NIOSH REL: (Toluene) TWA 100 ppm: CL 200 ppm/10m. 2-BUTANONE: OSHA PEL: TWA 200 ppm. ACGIH TLV: TWA 200 ppm: STEL 300 ppm. DFG MAK: 200 ppm. (590mg/m3). NIOSH REL: (Ketones) TWA 590mg/m3. HEXANE: OSHA PEL: TWA 500 ppm. ACGIH TLV: TWA 50 ppm. NIOSH REL: TWA (Alkanes) 350 mg/m3. These PELs and TLVs are issued as guidelines for good occupational hygiene. All atmospheric contamination should be kept to as low as level as is practically possible.					
Eng. Controls	Use in a well ventilated area only. Vapour heavier than air - prevent concentration in hollows or sumps. DO NOT enter confined spaces where vapour may have collected. Provide ventilation for all indoor applications.					

Personal Protection

Protective Equip. Avoid skin and eye contact. Avoid repeated and prolonged skin contact. Avoid inhaling the vapour, mist or dust. Do not smoke. Remove any naked lights or strong heat sources. Wearing of the following personal protective equipment may be advisable. Safety glasses, goggles or faceshield as appropriate. Overalls or similar protective apparel. Enclosed footwear. Organic vapour/acid mist respirator. Selection of the correct cartridge or canister is essential. Cartridges and canisters must be replaced regularly, frequency depending upon conditions of use. Solvent resistant gloves.

Flammability

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Fire Hazards Highly flammable. Will burn if involved in a fire. Keep away from heat, sparks or naked flames. Flameproof equipment necessary in area where this chemical is being used. Nearby equipment must be earthed. Product may explode if ignited in an enclosed area.

Other Precautions The odour warns insufficiently upon exceeding the exposure limit value. Do not use in the vicinity of a fire, a hot surface or during welding. Rinse contaminated clothes with plenty of water (fire hazard).

SAFE HANDLING INFORMATION

Storage and Transport

Storage Precautions Store in well ventilated area. Store in a cool place. Not to be loaded with oxidizing agents (class 5). Store away from oxidizing agents. Dangerous Goods of Class 1 Explosives are incompatible in a placard load with any of the following: - Class 2, Class 3, Class 4, Class 5, Class 6, Class 7, Class 8, Class 9 or Fire risk substances. Dangerous Goods of Class 2.1 Flammable Gases, or with a subsidiary risk of 2.1, are incompatible in a placard load with any of the following: - Class 1, Class 3, if both the Class 2.1 and Class 3 dangerous goods are in bulk, Class 4, Class 5, and Class 7. Store in original containers. Ensure containers are clearly labelled.

Spills and Disposal

Spills & Disposal In event of large spill: Advise flammable nature. If contamination of sewers or waterways has occurred advise the local emergency services. Call fire brigade. For large spills notify Emergency Services. Evacuate unprotected personnel from danger area. Remove any naked lights and strong heat sources. Contact supplier/manufacturer. If spillage occurs in a confined space ensure adequate ventilation. Contain - prevent contamination of drains and waterways. Contain using sand and earth - prevent runoff into drains and waterways. Use spark free implements. In the event of a small spill: Contain all spills. Isolate leaking containers and stop leak if safe to do so. Use absorbent - sand or similar. Do not use combustibles such as sawdust. Collect and seal in properly labelled drums for disposal. Do not flush to sewer. Normally suitable for incineration by approved agent.

SMALL SPILL: Use absorbent material to wipe up. Allow to dry or evaporate under a hood. LARGE SPILL: Eliminate all sources of ignition (open flames, pilot lights, electrical sparks eg. from welding equipment). Contain spill by diking to prevent spreading. Using spark free implements place the absorbed material into sealable metal containers. WASTE DISPOSAL: Discarded liquid and spill residues must be incinerated by an approved agent. Liquids cannot be disposed of in a landfill.

Fire/Explosion Hazard

Fire/Explos. Hazard Keep containers cool with water spray. Heating can cause expansion or decomposition leading to violent rupture of containers. Evacuate immediate area. Fire fighters to wear self-contained breathing apparatus if risk of exposure to vapour or products of combustion. Vapours are heavier than air and may travel along the ground, gathering in depressions. Risk of oxygen deficiency. Hazardous decomposition products of heating and/or burning: Carbon dioxide Carbon monoxide Chlorine Phosgene FIRE AND EXPLOSION HAZARDS: Containers may explode if exposed to extreme heat, electrical equipment, sparks and open flames. Do not put in contact with oxidising materials. FIRE FIGHTING PROCEDURES: Do not use straight hose water stream. Full protective equipment including self contained breathing apparatus is recommended to protect from combustion products. Do not put in contact with oxidising materials. EXTINGUISHING MEDIA: Foam, CO₂, dry chemical.

Hazardous Reaction CONDITIONS TO AVOID: Heat and sources of ignition. INCOMPATIBLE MATERIALS: Strong oxidisers. HAZARDOUS POLYMERISATION: Will not occur.

OTHER INFORMATION

Toxicology TOLUENE - (LD50) 5g/kg (oral-rat) - eye-hmn 300 p.p.m. - ihl-man TCLo:100 p.p.m.:CNS. HEXANE - (LD50) 28.71g/kg (oral-rat) - eye-rbt 10 mg MLD. - ihl-hmn TCLo:5000 p.p.m./10m:CNS. 2-BUTANONE- (LD50) 2.737g/kg (oral-rat) - eye-hmn 350 p.p.m. - ihl-hmn TCLo:100 p.p.m./5m:CNS.

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Information on Ecological Effects Harmful to aquatic life. Avoid contaminating waterways.

Pkg. & Labelling Hazchem Class : 3 Pack group : II.

CONTACT POINT

Contact In Australia: RLA Polymers Pty. Ltd. - Group Technical Manager: 03 9728 1644
(Business Hours)
For emergency information outside normal business hours, please ring:
SECURITY MONITORING 03 9270 5700
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.
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User Information Last revised: 10/09/02
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