

Material Safety Data Sheet

Reenterable Sealant Part A

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Emergency telephone no.: Contact the Poisons Information Centre Phone 13 11 26

U.N No: Non allocated. **Hazchem:** Non allocated **PG:** None allocated. **EPG:** Not required

Poisons Schedule: S6

Section 1. Product Identity

Tradename: **Reenterable Sealant Part A**

Chemical family: Polyol Liquid

Other product information:

Section 2. Hazardous Ingredients

NOT CLASSIFIED AS HAZARDOUS BY WORKSAFE AUSTRALIA

Ingredient	Weight %.	CAS no.	TLV-TWA _{1,2}	Notes
Polyol	30-60	Trade Secret	n/a	
Calcium carbonate filler	2-5	1317-65-3	n/a	
Preservative	< 1	Trade secret	n/a	
Antifoam	< 1	Trade secret	n/a	

- "TLV" means the Threshold Limit Value exposure (8-hour time-weighted average), unless otherwise noted) established by ACGIH. "OSHA PEL" refers to the Permissible Exposure Limits for airborne contaminants.
- "n/a" indicates that neither TLV nor OSHA Permissible Exposure Limit has been established.

Notes: A1--human carcinogen. A2--suspect carcinogen. C--ceiling limit (not a TWA).

S--absorption through skin may be a significant route of exposure. "TC" indicates a "Toxic Chemical" subject to the reporting requirements of Worksafe Australia.

Section 3. Physical Properties

Boiling point (°C): n/a	Vapour density (Air=1): n/a	Evaporation rate(BuAc=1): n/a
Melting point (°C): not applicable	Specific gravity: 1.32	Solubility in water: insoluble
Vapour pressure (mmHg): negligible at °C	Percent volatile by volume: 0%	
Appearance and odour: Buff/straw liquid with low odour.	pH (5% by weight in water): 7	
Note: n/d = "not determined" n/a = not available.		

Section 4. Fire and Explosion Hazard Data

Flash point: n/a °C; method:	Explosive limits in air: lower--; upper--				
Extinguishing media-	Water	CO ₂	Dry chemical	Foam	Alcohol foam
	y	y	y	y	y
Special firefighting procedures:	non required				
Unusual fire and explosion hazards:	Non known				

Section 5. Health Hazard Data

Emergency and first aid procedures--

EYES: Irrigate eyes with copious quantities of water for 15 minutes. In all cases of eye contamination, medical attention should be sought.

SKIN: Wash contaminated skin with plenty of soap and water. Remove contaminated clothing and wash before re-use.

INHALATION: Not likely to occur.

INGESTION: Give plenty of water to drink. Seek immediate medical attention.

Toxicity data- Oral LD50 (rat): not established. Not considered to be hazardous.
 Dermal LD50 (rabbit): not established
 Inhalation LC50 (rat): not known; exposure time: hours

Symptoms of acute overexposure--**EYES:**

May be an eye irritant

SKIN:

Prolonged contact with skin may result in irritation.

INHALATION:

Not normally an inhalation risk due to low vapour pressure.

INGESTION:

Ingestion may result in nausea and vomiting.

Effects of chronic overexposure: Not likely to occur.

Medical conditions which exposure may aggravate: Non known.

Carcinogenicity--OSHA regulated? n ACGIH? n
 National Toxicology Program? n International Agency for Research on Cancer? n

Ingredient(s) listed: None

Section 6. Reactivity Data

Stability: Chemically stable

Conditions to avoid: Moisture

Materials to avoid: Isocyanates, strong acids, alkalis

Hazardous decomposition products: Oxides of nitrogen, carbon monoxide, carbon dioxide.

Hazardous polymerisation: will not occur.

Conditions to avoid: non known

Section 7. Spill or Leak Procedures**Spill control:**

Contain- prevent contamination of drains and waterways. Use sand or soil to absorb spill. Collect in labelled drums for disposal.

Waste disposal:

Suitable for disposal at an approved land waste site.

Mixed resin and curing agent can be disposed of when cured as non hazardous waste in normal landfill.

Section 8. Protective Equipment

EYES--Safety glasses with side shields.

SKIN--Protective clothing to prevent skin contact, polythene, PVC, polythene or Nitrile gloves.

RESPIRATORY--not required in outdoor application. Wear organic vapour respirator in confined spaces

VENTILATION--Not applicable in normal use.

Section 9. Precautions for storage, handling, etc.

Store in a cool dry place.

Store in accordance with the precautions required for the curing agent when stored as kit.

Aitken Freeman Pty Ltd bases the information and recommendations in this document on data believed to be correct. No warranty of any kind, however, is made as to the information in this document.

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Material Safety Data Sheet

Reenterable Sealant Part B

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Emergency telephone no.: Contact the Poisons Information Centre in your state

U.N No: Non allocated. **Hazchem:** Non allocated **PG:** None allocated. **EPG:** Not required

Poisons Schedule: S6

Section 1. Product Identity

Tradename: **Reenterable Sealant Part B**

Chemical family: Isocyanates

Other product information: Curing agent for use with Reenterable Sealant Part A.

Section 2. Hazardous Ingredients

Classified as Hazardous According to Worksafe Australia

Ingredient	Weight %.	CAS no.	TLV-TWA ^{1,2}	Notes
Polymeric diphenyl methane 4,4'diisocyanate isomers and homologues, blend of	100%	9016-87-9	-	0.02mg/m ³

Respiratory sensitiser.

1. "TLV" means the Threshold Limit Value exposure (8-hour time-weighted average, unless otherwise noted) established by ACGIH. "OSHA PEL" refers to the Permissible Exposure Limits for airborne contaminants.

2. "n/a" indicates that neither TLV nor OSHA Permissible Exposure Limit has been established.

Notes: A1--human carcinogen. A2--suspect carcinogen. C--ceiling limit (not a TWA). S--absorption through skin may be a significant route of exposure. "TC" indicates a "Toxic Chemical" subject to the reporting requirements of Worksafe Australia.

Section 3. Physical Properties

Boiling point (°C): n/a	Vapour density (Air=1): >1	Evaporation rate(BuAc=1): N Av
Melting point (°C): n/a	Specific gravity: 1.24	Solubility in water: negligible
Vapour pressure (mmHg): 1x10 ⁻⁶ kPa at 20°C		Percent volatile by volume: N Av
Appearance and odour: Dark brown liquid with indistinct odour.		pH (5% by weight in water): n/a

Note: n/d = "not determined" n/a = not available.

Section 4. Fire and Explosion Hazard Data

Flash point: 230 °C; method: Explosive limits in air: lower--; upper--

Extinguishing media-- Water CO₂ Dry chemical Foam Alcohol foam

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Special firefighting procedures: Combustible liquid, will emit toxic fumes including nitrogen oxides.

Fire fighters should wear self contained breathing apparatus.

Unusual fire and explosion hazards: Heated drums may rupture.

Section 5. Health Hazard Data

Emergency and first aid procedures--

EYES: Immediately irrigate with copious quantities of water for at least 15 minutes. Seek immediate medical assistance

SKIN: Wash skin with plenty of soap and water. Remove contaminated clothing and launder before re-use.

INHALATION: Remove victim from exposure.-avoid becoming a casualty. Keep patient warm. Keep at rest till recovered. Seek immediate medical assistance.

INGESTION: Rinse mouth with water, give water to drink.

DO NOT INDUCE VOMITING. Seek immediate medical assistance.

Section 5. Health Hazard Data cont.

Toxicity data--Oral LD50 (rat): >10,000mg/kg
 Dermal LD50 (rabbit): >10,000mg/kg
 Inhalation LC50 (rat): 11mg/L; exposure time: 4 hours

Symptoms of acute overexposure--

EYES: Moderate to severe eye irritation. May cause severe conjunctivitis

SKIN: Mild irritant. Skin sensitiser. Skin contact may cause respiratory sensitisation. Sensitised individuals may react to exposure to minute levels.

INHALATION: Vapour is irritant to mucous membranes and respiratory tract, producing symptoms of a dry throat cough.

INGESTION: Can result in severe irritation of the gastrointestinal tract.

Effects of chronic overexposure: Animal studies have shown that respiratory sensitisation can be induced by skin contact. Thus emphasising the need for protective clothing and gloves to be worn when handling this product.

Medical conditions which exposure may aggravate:

Respiratory ailments

Carcinogenicity --OSHA regulated? n	ACGIH? n
National Toxicology Program? n	International Agency for Research on Cancer? n
Ingredient(s) listed: None	

Section 6. Reactivity Data

Stability: Chemically stable

Conditions to avoid: Moisture, heat sources.

Materials to avoid: Oxidising agents, organic peroxides, food stuffs.

Hazardous decomposition products: Oxides of nitrogen, carbon monoxide and dioxide.

Hazardous polymerisation: will not occur.

Conditions to avoid: Avoid contact with moisture, amine and oxidising agents.

Section 7. Spill or Leak Procedures

Spill control: Avoid all contact. Prevent contamination of drains and waterways. Wear protective equipment. Absorb with sand, soil or inert material. Decontaminate area with dilute ammonia and detergent.

Waste disposal: Refer State Land Waste Management Authority. Empty containers must be decontaminated before disposal. Suitable for incineration, by approved agent.

Section 8. Protective Equipment

EYES--Safety glasses with side shields.

SKIN--Full cover protective clothing and polyethylene, PVC or NR gloves. Remove contaminated clothing immediately and launder before re-use.

RESPIRATORY--If used in confined spaces use an organic vapour mask to AS1715 & 1716.

VENTILATION--Ensure ventilation is sufficient to maintain air concentrations below the TLV for MDI. Vapour heavier than air. Use mechanical ventilation in confined spaces.

Section 9. Precautions for storage, handling, etc.

Store in a well ventilated, cool, dry place, away from heat sources. Keep dry- reacts with moisture; may lead to drum rupture.

Keep containers sealed.

Stow away from food stuffs.

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