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MATERIAL SAFETY DATA SHEET
REGUPOL ONE PART SOLVENT FREE POLYURETHANE ADHESIVE

Section 1 – CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME
Regupol One Part Polyurethane Adhesive

SYNONYMS
"One part poly"

PRODUCT USE
Moisture curing one part polyurethane adhesive used for bonding Regupol® acoustic underlay's to concrete and timber floor surfaces.

SUPPLIER
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Section 2 – HAZARDS IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE
Classified as Hazardous According to NOHSC Criteria
Not Classified as Dangerous Goods by the ADG Code
May be irritating to eyes, respiratory system and skin
May cause sensitization by inhalation

UN No	None Allocated
Packaging Group	None Allocated
Subsidiary Risk(s)	None Allocated
DG Class	None Allocated
Hazchem Code	None Allocated
EPG	None Allocated

Section 3 – COMPOSITION/INFORMATION ON INGREDIENTS

Ingredient	Formula	CAS No	Weight %
Diphenylmethane diisocyanate pre-polymer	Not Available	Trade Secret	30 -<60%

Inorganic extender	Not Available	Non-Hazardous	30-<60%
Plasticiser	Not Available	Trade Secret	10-<30%
Additives	Not Available	Mixture	<10%

Section 4 – FIRST AID MEASURES

EYE

Hold eyes open, flush eyes with large amounts of water for at least 15 minutes. Seek medical advice.

SKIN

Wash with plenty of soap and water. Remove contaminated clothing and launder before re-use. Seek medical advice if irritation develops or persists.

INHALED

If affected, remove to fresh air. If breathing is difficult give oxygen and consult a Doctor.

INGESTION

Call a Doctor immediately. Do not induce vomiting unless directed by a Doctor.

NOTES TO PHYSICIAN

Treat symptomatically.

Section 5 – FIRE FIGHTING MEASURES

Flash Point	>150°C
Auto-ignition Temperature	Not determined
Lower Explosive Limit	Not determined
Upper Explosive Limit	Not determined
Suitable Extinguishing Media	Use foam, CO2 or dry powder. Use water if other media is unavailable. Material reacts with water and produces carbon dioxide. **DO NOT** re-seal containers if contaminated with water due to pressure build-up.
Hazards from Combustion	Combustion may emit toxic fumes including oxides of carbon and nitrogen, isocyanate vapours and hydrogen cyanide.
Protective Precautions & Equipment for Fire Fighters	Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes
Hazchem Code	None allocated

Section 6 – ACCIDENTAL RELEASE MEASURES

EMERGENCY PROCEDURES

• If ventilation is inadequate, wear self contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

• Do not allow into drains or waterways.

• Keep away from sources of ignition.

• Material reacts with water and produces carbon dioxide.

• Take up with absorbent material.

• If material is contaminated with water or moist soil etc **DO NOT** place in sealed containers because pressure build-up may occur.

• Allow material to fully cure before disposal. Depose of waste and empty containers in accordance with federal state and local laws.

Section 7 – HANDLING AND STORAGE

STORAGE

• Store in a cool dry well ventilated area below 30°C

• Keep in original container

PROCEDURE FOR HANDLING

• Wear gloves, overalls and eye protection

• Do not eat, drink or smoke in the workplace

• Material reacts with water and alcohol, and produces carbon dioxide

• If container is contaminated with water **DO NOT** re-seal container because pressure build-up may occur.

• Do not mix with alcohols (methylated spirits) or similar materials

Section 8 – EXPOSURE CONTROLS/PERSONAL PROTECTION

EXPOSURE CONTROLS

Exposure Limit Information		NOHSC			
		TWA	TWA	STEL	STEL
Component		(ppm)	(Mg/m³)	(ppm)	(Mg/m³)
Diphenylmethane Diisocyanate Pre-Polymer		-	0.02b (sen)	-	0.07b (sen)
Inorganic extender		Not Available	Not Available	Not Available	Not Available
Plasticiser		Not Available	Not Available	Not Available	Not Available
Additives		Not Available	Not Available	Not Available	Not Available
b	=	Isocyanates, all (as NCO). May cause sensitization by inhalation in susceptible people.			
TWA	=	Time weighted average			
STEL	=	Short time exposure limit			

PERSONAL PROTECTION

RESPIRATORY

In case of vapours or mists, a respiratory protection program meeting Australian and New Zealand Standards AS/NZS-1715 requirements must be followed whenever workplaces conditions warrant use of a respirator. Use organic vapour cartridge. None required if airborne concentrations are maintained below the exposure limit listed in the *Exposure Limit Information.*

EYE

Use chemical splash goggles (Australian and New Zealand Standards AS/NZS-1337) or approved equivalent. Eye protection worn must be compatible with respiratory system employed.

HANDS

Chemically resistant gloves; Protective clothing as necessary to prevent skin contact.

ENGINEERING CONTROLS (Ventilation)

Use local exhaust ventilation sufficient to maintain exposure levels below exposure limit concentrations. Refer to Australian Standard AS-1668.

Section 9 – PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Yellow to Brownish
Boiling Point	>200°C
Vapour Pressure	Low
Specific Gravity	1.26
Flash Point	>150°C
State	Viscous liquid or paste
Solubility in Water	Insoluble (reacts)
Odour Characteristic	Slight
Melting Point	Not Applicable

Section 10 – CHEMICAL STABILITY AND REACTIVITY INFORMATION

HAZARDOUS REACTIONS

- Material reacts with water, alcohol, amines and acids.
- Material reacts with any material containing active hydrogen.
- If container is contaminated with any substances, **DO NOT** re-seal container because pressure build-up may occur.

Section 11 – TOXICOLOGICAL INFORMATION

Acute Data	LD50 Oral (rat) >5000 mg/kg*
	LD50 Dermal (rat) >5000 mg/kg*
Skin Irritation	May be irritating in susceptible individuals*
Eye Irritation	Irritating*
Respiratory Irritation	May be irritating in susceptible individuals. Material has a low vapour pressure. However, elevated temperature and/or production of aerosols may increase exposure by inhalation.
Sensitisation	Material contains isocyanate end-groups which may cause sensitization by inhalation in some susceptible people.* Material has a low vapour pressure. However, elevated temperature and/or production of aerosols may increase exposure by inhalation. Symptoms may include irritation of the eyes, nose throat and lungs, including tightness of the chest and difficulty breathing. If symptoms of sensitization develop, discontinue using the material and consult a physician.
***BASED ON MANUFACTURERS DATA FOR DIPHENYLMETHANE DIISOCYANTE PRE-POLYMER.**	

Section 12 – ECOLOGICAL INFORMATION

Eco-toxicological Effect

• Liquid material is insoluble in water.

• Material reacts with water to form an insoluble elastomeric solid and is not expected to cause any long-term adverse environmental effects.

Section 13 – DISPOSAL CONSIDERATIONS

• Dispose of empty containers in accordance with federal, state and local laws.

Section 14 – TRANSPORTATION INFORMATION

• Not classified as Dangerous Goods according to the Australian code for the transport of Dangerous Goods By Road and Rail (Edition 6, Section 1).

Section 15 – REGULATORY INFORMATION

• The material if labeled in accordance with State Poisons Regulations.

Section 16 – OTHER INFORMATION

The advice and information contained herein is based on the original raw materials supplier's information. We believe the information to be accurate and reliable as at the date supplied, but no representation, guarantee or warranty, expressed or implied, is made to the accuracy, reliability or completeness of the advice and information.

We urge persons receiving this advice and information to make their own determination as to the advice and information suitability and the completeness for their own particular situation.