



## Epoxy Paste Adhesive

## Safety Data Sheet

Hazardous, NON-Dangerous Goods

### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

PRODUCT NAME	Megapoxy P1 - Part B
RECOMMENDED USE	Adhesive for civil engineering, concrete repair.
SUPPLIER	Vivacity Engineering Pty Ltd.
ABN	78 305 545 664
STREET ADDRESS	3 Sefton Road Thornleigh NSW 2120 Australia
TELEPHONE	+61 2 9875 3044
EMAIL	info@megapoxy.com
EMERGENCY TELEPHONE NUMBER	+61 2 9875 3044 Australia: 13 11 26 (Poisons Information Centre) New Zealand: 0800 764 766 (NZ Poisons & Hazardous Chemicals Centre)

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of Safe Work Australia GHS 7.



SIGNAL WORD	Danger
HAZARD CLASSIFICATIONS	Skin Corrosion/Irritation - Category 2 Eye Damage/Irritation - Category 1 Sensitisation - Skin - Category 1A

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HAZARD STATEMENTS	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H318	Causes serious eye damage.
	H411	Toxic to aquatic life with long lasting effects.
PREVENTION PRECAUTIONARY STATEMENTS	P261	Avoid breathing dust, fume, gas, mist, vapours or spray.
	P264	Wash hands, face and all exposed skin thoroughly after handling.
	P272	Contaminated work clothing should not be allowed out of the workplace.
	P280	Wear protective gloves/protective clothing, gloves, eye/face protection and suitable respirator.
RESPONSE PRECAUTIONARY STATEMENTS	P302+P352	IF ON SKIN: Wash with plenty of water.
	P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	P310	Immediately call a POISON CENTER/doctor.
	P321	Specific treatment (see supplemental first aid instructions on this on product label).
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P362	Take off contaminated clothing.
STORAGE PRECAUTIONARY STATEMENT	Not allocated.	
DISPOSAL PRECAUTIONARY STATEMENT	P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
POISON SCHEDULE	S5. Caution	
DANGEROUS GOOD CLASSIFICATION	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".	

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### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Fatty acids, C18-unsaturated, dimers, polymers with tall oil fatty acids and tetraethylene pentamine	103758-98-1	30-60 %
Quartz (SiO <sub>2</sub> )	14808-60-7	30-60 %
Ingredients determined to be Non-Hazardous		Balance
		100%

### 4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126, New Zealand 0800 764 766).

<b>INHALATION</b>	Remove victim from exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.
<b>SKIN CONTACT</b>	Effects may be delayed. If skin or hair contact occurs, immediately remove contaminated clothing and flush skin and hair with running water. Continue flushing with water until advised to stop by the Poisons Information Centre or a Doctor; or for 15 minutes and transport to Doctor or Hospital.
<b>EYE CONTACT</b>	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove clothing if contaminated and wash skin. Urgently seek medical assistance. Transport to hospital or medical centre.
<b>INGESTION</b>	Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water to drink. Never give anything by the mouth to an unconscious patient. If vomiting occurs give further water. Seek medical advice.
<b>PPE FOR FIRST AIDERS</b>	Wear safety shoes, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.
<b>NOTES TO PHYSICIAN</b>	Treat symptomatically. Effects may be delayed. Can cause corneal burns.

### 5. FIRE FIGHTING MEASURES

<b>HAZCHEM CODE</b>	Not applicable.
<b>SUITABLE EXTINGUISHING MEDIA</b>	If material is involved in a fire use water fog (or if unavailable fine water spray), alcohol resistant foam, standard foam, dry agent (carbon dioxide, dry chemical powder).
<b>SPECIFIC HAZARDS</b>	Non-combustible material.
<b>FIRE FIGHTING FURTHER ADVICE</b>	Not applicable.

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 VIVACITY ENGINEERING PTY LTD | ABN: 78 305 545 664

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### 6. ACCIDENTAL RELEASE MEASURES

<b>SMALL SPILLS</b>	Wear protective equipment to prevent skin and eye contamination. Avoid inhalation of vapours or dust. Wipe up with absorbent (clean rag or paper towels). Collect and seal in properly labelled containers or drums for disposal.
<b>LARGE SPILLS</b>	Clear area of all unprotected personnel. Slippery when spilt. Avoid accidents, clean up immediately. Wear protective equipment to prevent skin and eye contamination and the inhalation of dust. Work up wind or increase ventilation. Cover with damp absorbent (inert material, sand or soil). Sweep or vacuum up, but avoid generating dust. Collect and seal in properly labelled containers or drums for disposal. If contamination of crops, sewers or waterways has occurred advise local emergency services.
<b>DANGEROUS GOODS - INITIAL EMERGENCY RESPONSE GUIDE NO:</b>	Not applicable

### 7. HANDLING AND STORAGE

<b>HANDLING</b>	Avoid eye contact and skin contact. Avoid inhalation of dust.
<b>STORAGE</b>	<p>Store in a cool, dry, well-ventilated place and out of direct sunlight. Store away from foodstuffs. Store away from incompatible materials described in Section 10. Store away from sources of heat and/or ignition. Keep container standing upright. Keep containers closed when not in use - check regularly for spills.</p> <p>This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.</p>

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
	-	0.05	-	-	Carc. 1A
	-	0.05	-	-	Carc. 1A
As published by Safe Work Australia.					
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 workday.					
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.					
If the directions for use on the product label are followed, exposure of individuals using the product should not exceed the above standard. The standard was created for workers who are routinely, potentially exposed during product manufacture.					
BIOLOGICAL LIMIT VALUES	As per the "National Model Regulations for the Control of Workplace Hazardous Substances (Safe Work Australia)" the ingredients in this material do not have a Biological Limit Allocated.				
ENGINEERING MEASURES	Ensure ventilation is adequate to maintain air concentrations below Exposure Standards. Use only in well ventilated areas. Avoid generating and inhaling dusts. Use with local exhaust ventilation or while wearing dust mask. Vapour heavier than air - prevent concentration in hollows or sumps. Do NOT enter confined spaces where vapour may have collected.				
PERSONAL PROTECTION EQUIPMENT	SAFETY SHOES, GLOVES, SAFETY GLASSES. Personal protective equipment (PPE) must be suitable for the nature of the work and any hazard associated with the work as identified by the risk assessment conducted. Wear safety shoes, gloves, safety glasses. Available information suggests that gloves made from nitrile rubber should be suitable for intermittent contact. However, due to variations in glove construction and local conditions, the user should make a final assessment. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storing or re-using.				
HYGIENE MEASURES	Keep away from food, drink and animal feeding stuffs. When using do not eat, drink or smoke. Wash hands prior to eating, drinking or smoking. Avoid contact with clothing. Avoid eye contact and skin contact. Avoid inhalation of dust. Ensure that eyewash stations and safety showers are close to the workstation location.				

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Paste
Colour:	Dark Grey
Solubility:	Partially soluble in water
Specific Gravity:	1.50-1.60 @ 25 Deg C
Relative Vapour Density (air=1):	>1
Vapour Pressure:	<0.01 Pa
Flash Point (°C):	>200 Deg C
Boiling Point/Range (°C):	>200 Deg C
Decomposition Point (°C):	>200 Deg C
Total VOC (g/Litre):	Nil
% Volatile by Volume:	Nil

(Typical values only - consult specification sheet) N Av = Not available, N App = Not applicable.

### 10. STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY</b>	This material is thermally stable when stored and used as directed.
<b>CONDITIONS TO AVOID</b>	Elevated temperatures and sources of ignition.
<b>INCOMPATIBLE MATERIALS</b>	Oxidising agents.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Oxides of carbon and nitrogen, smoke and other toxic fumes.
<b>HAZARDOUS REACTIONS</b>	No known hazardous reactions.

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### 11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

<b>ACUTE EFFECTS</b>	<p><b>Inhalation</b></p> <p>Material may be an irritant to mucous membranes and respiratory tract.</p> <p><b>Skin contact</b></p> <p>Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.</p> <p><b>Ingestion</b></p> <p>Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.</p> <p><b>Eye contact</b></p> <p>A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.</p>
<b>ACUTE TOXICITY</b>	<p><b>Inhalation</b></p> <p>This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): <math>LC_{50} &gt; 5.0</math> mg/L for dust.</p> <p><b>Skin contact</b></p> <p>This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): <math>LD_{50} &gt; 2,000</math> mg/Kg bw.</p> <p><b>Ingestion</b></p> <p>This material has been classified as not hazardous for acute ingestion exposure. Acute toxicity estimate (based on ingredients): <math>LD_{50} &gt; 2,000</math> mg/Kg bw.</p> <p><b>Corrosion/Irritancy</b></p> <p>Eye: this material has been classified as a Category 1 Hazard (irreversible effects to eyes). Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).</p> <p><b>Sensitisation</b></p> <p>Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as a Category 1A Hazard (skin sensitiser).</p> <p><b>Aspiration hazard</b></p> <p>This material has been classified as not an aspiration hazard.</p> <p><b>Specific target organ toxicity (single exposure)</b></p> <p>This material has been classified as not a specific hazard to target organs by a single exposure.</p>
<b>CHRONIC TOXICITY</b>	<p><b>Mutagenicity</b></p> <p>This material has been classified as not a mutagen.</p> <p><b>Carcinogenicity</b></p> <p>This material has been classified as not a carcinogen.</p> <p><b>Reproductive toxicity (including via lactation)</b></p> <p>This material has been classified as not a reproductive toxicant.</p> <p><b>Specific target organ toxicity (repeat exposure)</b></p> <p>This material has been classified as not a specific hazard to target organs by repeat exposure.</p>

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### 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

<b>ACUTE AQUATIC HAZARD</b>	This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): >100 mg/L.
<b>LONG-TERM AQUATIC HAZARD</b>	This material has been classified as not hazardous for chronic aquatic exposure. Non-rapidly or rapidly degradable substance for which there are adequate chronic toxicity data available OR in the absence of chronic toxicity data, Acute toxicity estimate (based on ingredients): >100 mg/L, where the substance is not rapidly degradable and/or $BCF < 500$ and/or $\log K_{ow} \geq 4$ .
<b>ECOTOXICITY</b>	No information available.
<b>PERSISTENCE AND DEGRADABILITY</b>	No information available.
<b>BIOACCUMULATIVE POTENTIAL</b>	No information available.
<b>MOBILITY</b>	No information available.

### 13. DISPOSAL CONSIDERATIONS

Persons conducting disposal, recycling or reclamation activities should ensure that appropriate personal protection equipment is used, see "Section 8. Exposure Controls and Personal Protection" of this SDS.

If possible material and its container should be recycled. If material or container cannot be recycled, dispose in accordance with local, regional, national and international Regulations.

### 14. TRANSPORT INFORMATION

<b>ROAD AND RAIL TRANSPORT</b>	Not classified as Dangerous Goods by the criteria of the "Australian Code for the Transport of Dangerous Goods by Road & Rail" and the "New Zealand NZS5433: Transport of Dangerous Goods on Land".
<b>MARINE TRANSPORT</b>	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
<b>AIR TRANSPORT</b>	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.



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### 15. REGULATORY INFORMATION

**This material is not subject to the following international agreements:**

Montreal Protocol (Ozone depleting substances)  
The Stockholm Convention (Persistent Organic Pollutants)  
The Rotterdam Convention (Prior Informed Consent)  
Basel Convention (Hazardous Waste)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material/constituent(s) is covered by the following requirements:**

- The Standard for the Uniform Scheduling of Medicines and Poisons (SUSMP) established under the Therapeutic Goods Act (Commonwealth).
- All components of this product are listed on or exempt from the Australian Inventory of Chemical Substances (AICS).

### 16. OTHER INFORMATION

Reason for issue: Revised

This information was prepared in good faith from the best information available at the time of issue. It is based on the present level of research and to this extent we believe it is accurate. However, no guarantee of accuracy is made or implied and since conditions of use are beyond our control, all information relevant to usage is offered without warranty. The manufacturer will not be held responsible for any unauthorised use of this information or for any modified or altered versions.

If you are an employer it is your duty to tell your employees, and any others that may be affected, of any hazards described in this sheet and of any precautions that should be taken.

Safety Data Sheets are updated frequently. Please ensure you have a current copy.