

### Liquid Epoxy Resin

## Safety Data Sheet

Hazardous, Non-Dangerous Goods

#### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

PRODUCT NAME	Megapoxy 256 - Part B
RECOMMENDED USE	Liquid hardener for Megapoxy 256 Part A
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 Serious Eye Damage/Irritation - Category 1 Sensitisation - Skin - Category 1A

## Safety Data Sheet

<b>HAZARD STATEMENTS</b>	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.
<b>PREVENTION PRECAUTIONARY STATEMENTS</b>	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 clothing, gloves, eye/face protection and suitable respirator.
<b>RESPONSE PRECAUTIONARY STATEMENTS</b>	P302+P352	IF ON SKIN: Wash with plenty of soap and 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 CENTRE or doctor/physician.
	P321	Specific treatment (see supplemental first aid instructions on this product label).
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
	P362	Take off contaminated clothing and wash before reuse.
<b>STORAGE PRECAUTIONARY STATEMENT</b>	Not allocated.	
<b>DISPOSAL PRECAUTIONARY STATEMENT</b>	P501	Dispose of contents/container in accordance with local, regional, national and international regulations.
<b>POISON SCHEDULE</b>	S5. Caution	
<b>DANGEROUS GOOD CLASSIFICATION</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".	

## 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Fatty acids, C18-unsaturated, dimers, reaction products with polyethylenepolyamines	68410-23-1	>60 %
Ingredients determined to be Non-Hazardous		Balance
		100%

## Safety Data Sheet

### 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.

### 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.
---------------------	---

## Safety Data Sheet

<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 vapours. Work up wind or increase ventilation. Contain - prevent run off into drains and waterways. Use absorbent (soil, sand or other inert material). 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 vapour, mist or aerosols.
<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 leaks.</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>

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>NATIONAL OCCUPATIONAL EXPOSURE LIMITS</b>	No value assigned for this specific material by Safe Work Australia.
<b>BIOLOGICAL LIMIT VALUES</b>	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.
<b>ENGINEERING MEASURES</b>	Natural ventilation should be adequate under normal use conditions.
<b>PERSONAL PROTECTION EQUIPMENT</b>	<p>SAFETY SHOES, GLOVES, SAFETY GLASSES.</p> <p>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.</p> <p>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.</p>
<b>HYGIENE MEASURES</b>	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 vapour, mist or aerosols. Ensure that eyewash stations and safety showers are close to the workstation location.

## Safety Data Sheet

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Liquid
Colour:	Pale/Amber
Odour:	Amine
Solubility:	Partially soluble in water
Specific Gravity:	0.96-0.98 @ 25 Deg C
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	<0.01
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.

## Safety Data Sheet

### 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> Material may be an irritant to mucous membranes and respiratory tract.</p> <p><b>Skin contact</b> 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> Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.</p> <p><b>Eye contact</b> A severe eye irritant. Corrosive to eyes: contact can cause corneal burns. Contamination of eyes can result in permanent injury.</p>
<b>ACUTE TOXICITY</b>	<p><b>Inhalation</b> This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): <math>LC_{50} &gt; 20.0</math> mg/L for vapours or <math>LC_{50} &gt; 5.0</math> mg/L for dust and mist or <math>LC_{50} &gt; 20,000</math> ppm for gas.</p> <p><b>Skin contact</b> This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): <math>&gt;2,000</math> mg/Kg bw.</p> <p><b>Ingestion</b> This material has been classified as non-hazardous. Acute toxicity estimate (based on ingredients): <math>&gt;2,000</math> mg/Kg bw.</p> <p><b>Corrosion/Irritancy</b> 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> 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> This material has been classified as non-hazardous.</p> <p><b>Specific target organ toxicity (single exposure)</b> This material has been classified as non-hazardous.</p>
<b>CHRONIC TOXICITY</b>	<p><b>Mutagenicity</b> This material has been classified as non-hazardous.</p> <p><b>Carcinogenicity</b> This material has been classified as non-hazardous.</p> <p><b>Reproductive toxicity (including via lactation)</b> This material has been classified as non-hazardous.</p> <p><b>Specific target organ toxicity (repeat exposure)</b> This material has been classified as non-hazardous.</p>

## Safety Data Sheet

### 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 non-hazardous. 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 $\log K_{ow} < 4$ .
<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.

## Safety Data Sheet

### 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)  
International Convention for the Prevention of Pollution from Ships (MARPOL)

**This material is subject to the following international agreements:**

Basel Convention (Hazardous Waste)

- Wastes from production, formulation and use of resins, latex, plasticizers, glues/adhesives

**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.