

Epoxy Paste Adhesive

Safety Data Sheet

Hazardous, Non-Dangerous Goods

1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

PRODUCT NAME	Megapoxy 36 - Part B
RECOMMENDED USE	Bonding ceramic & plastic reflective markers to bituminous & concrete surfaces and pavements.
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	Warning
HAZARD CLASSIFICATIONS	Acute Toxicity - Oral - Category 4 Skin Corrosion/Irritation - Category 2 Eye Damage/Irritation - Category 2A Sensitisation - Skin - Category 1B Chronic Hazard to the Aquatic Environment - Category 3

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HAZARD STATEMENTS	H302	Harmful if swallowed.
	H315	Causes skin irritation.
	H317	May cause an allergic skin reaction.
	H319	Causes serious eye irritation.
	H412	Harmful to aquatic life with long lasting effects.
PREVENTION PRECAUTIONARY STATEMENTS	P264	Wash hands, face and all exposed skin thoroughly after handling.
	P273	Avoid release to the environment.
	P280	Wear protective gloves/protective clothing protective clothing, gloves, eye/face protection and suitable respirator.
RESPONSE PRECAUTIONARY STATEMENTS	P302+P352	IF ON SKIN: Wash with plenty of water.
	P333+P313	If skin irritation or rash occurs: Get medical advice/attention.
STORAGE PRECAUTIONARY STATEMENT	Not allocated.	
DISPOSAL PRECAUTIONARY STATEMENT	Not allocated.	
POISON SCHEDULE	S5. Caution	
DANGEROUS GOOD CLASSIFICATION	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".	
DANGEROUS GOODS CLASS	9 Australian Special Provisions; AU01: Environmentally Hazardous Substances meeting the description of UN 3077 or UN 3082 are not subject to this Code (ADG 07) when transported by road or rail in; (a) packagings that do not incorporate a receptacle exceeding 500 Kg (L); or (b) IBCs.	

3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Poly[oxy(methyl-1,2-ethanediyl)], .alpha.-hydro.-omega.-hydroxy-, ether with 2,2-bis(hydroxymethyl)-1,3-propanediol (4:1), 2-hydroxy-3-mercaptopropyl ether	72244-98-5	30-60 %
Propane, 1,2,3-trichloro-, polymer with 1,1'-[methylenebis(oxy)]bis[2-chloroethane] and sodium sulfide (Na ₂ (S _x)), reduced	68611-50-7	10-29 %
Ingredients determined to be Non-Hazardous		Balance
		100%

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4. FIRST AID MEASURES

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

INHALATION	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.
SKIN CONTACT	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.
EYE CONTACT	If in eyes, hold eyelids apart and flush the eyes continuously with running water. Continue flushing until advised to stop by the Poisons Information Centre or a Doctor; or for at least 15 minutes and transport to Doctor or Hospital.
INGESTION	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. Immediately call Poisons Centre or Doctor.
PPE FOR FIRST AIDERS	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.
NOTES TO PHYSICIAN	Treat symptomatically. Effects may be delayed.

5. FIRE FIGHTING MEASURES

HAZCHEM CODE	Not applicable.
SUITABLE EXTINGUISHING MEDIA	If material is involved in a fire use alcohol resistant foam or dry agent (carbon dioxide, dry chemical powder).
SPECIFIC HAZARDS	Non-combustible material.
FIRE FIGHTING FURTHER ADVICE	Not applicable.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILLS	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.
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LARGE SPILLS	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.
DANGEROUS GOODS - INITIAL EMERGENCY RESPONSE GUIDE NO:	Not applicable.

7. HANDLING AND STORAGE

HANDLING	Avoid eye contact and skin contact. Avoid inhalation of dust.
STORAGE	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. This material is a Scheduled Poison Schedule 5 (Caution) and must be stored, maintained and used in accordance with the relevant regulations.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS	No value assigned for this specific material by Safe Work Australia.
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	Natural ventilation should be adequate under normal use conditions.
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:	Grey
Odour:	Strong specific odour, sulphur-like
Solubility:	Insoluble in water
Specific Gravity:	1.38-1.42 @ 25 Deg C
Relative Vapour Density (air=1):	>1
Vapour Pressure (20 °C):	<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

CHEMICAL STABILITY	This material is thermally stable when stored and used as directed.
CONDITIONS TO AVOID	Elevated temperatures and sources of ignition.
INCOMPATIBLE MATERIALS	Oxidising agents.
HAZARDOUS DECOMPOSITION PRODUCTS	Oxides of carbon and nitrogen, smoke and other toxic fumes.
HAZARDOUS REACTIONS	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:

ACUTE EFFECTS	<p>Inhalation Material may be an irritant to mucous membranes and respiratory tract.</p> <p>Skin contact Contact with skin will result in irritation. A skin sensitiser. Repeated or prolonged skin contact may lead to allergic contact dermatitis.</p> <p>Ingestion Harmful if swallowed. Swallowing can result in nausea, vomiting and irritation of the gastrointestinal tract.</p> <p>Eye contact An eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.</p>
ACUTE TOXICITY	<p>Inhalation This material has been classified as not hazardous for acute inhalation exposure. Acute toxicity estimate (based on ingredients): $LC_{50} > 5.0$ mg/L for dust.</p> <p>Skin contact This material has been classified as not hazardous for acute dermal exposure. Acute toxicity estimate (based on ingredients): $LD_{50} > 2,000$ mg/Kg bw.</p> <p>Ingestion This material has been classified as a Category 4 Hazard. Acute toxicity estimate (based on ingredients): $300 < LD_{50} \leq 2,000$ mg/Kg bw.</p> <p>Corrosion/Irritancy Eye: this material has been classified as a Category 2A Hazard (reversible effects to eyes). Skin: this material has been classified as a Category 2 Hazard (reversible effects to skin).</p> <p>Sensitisation Inhalation: this material has been classified as not a respiratory sensitiser. Skin: this material has been classified as a Category 1B Hazard (skin sensitiser).</p> <p>Aspiration hazard This material has been classified as non-hazardous.</p> <p>Specific target organ toxicity (single exposure) This material has been classified as not a specific hazard to target organs by a single exposure.</p>
CHRONIC TOXICITY	<p>Mutagenicity This material has been classified as not a mutagen.</p> <p>Carcinogenicity This material has been classified as not a carcinogen.</p> <p>Reproductive toxicity (including via lactation) This material has been classified as not a reproductive toxicant.</p> <p>Specific target organ toxicity (repeat exposure) 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.

ACUTE AQUATIC HAZARD	This material has been classified as not hazardous for acute aquatic exposure. Acute toxicity estimate (based on ingredients): > 100 mg/L.
LONG-TERM AQUATIC HAZARD	This material has been classified as a Category Chronic 3 Hazard. 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): 10 - 100 mg/L, where the substance is not rapidly degradable and/or $BCF \geq 500$ and/or $\log K_{ow} \geq 4$.
ECOTOXICITY	No information available.
PERSISTENCE AND DEGRADABILITY	No information available.
BIOACCUMULATIVE POTENTIAL	No information available.
MOBILITY	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.

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14. TRANSPORT INFORMATION

ROAD AND RAIL TRANSPORT	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".
MARINE TRANSPORT	Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.
AIR TRANSPORT	Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

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.