

## Megaprene Hot Melt

### High Extention Sealant

### Safety Data Sheet

#### Non-Hazardous, Dangerous Goods

#### 1. MATERIAL AND SUPPLY COMPANY IDENTIFICATION

PRODUCT NAME	Megaprene Hot Melt
RECOMMENDED USE	High extension type sealant for horizontal joints in asphalt & concrete.
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	<b>+61 2 9875 3044</b> Australia: 13 11 26 (Poisons Information Centre) New Zealand: 0800 764 766 (NZ Poisons & Hazardous Chemicals Centre)

#### 2. HAZARDS IDENTIFICATION

Based on available information, this material is not classified as hazardous according to criteria of Safe Work Australia GHS 7.

PREVENTION PRECAUTIONARY STATEMENTS	P272	Contaminated work clothing should not be allowed out of the workplace.
RESPONSE PRECAUTIONARY STATEMENTS	P304+P340 P308+P313	IF INHALED: Remove person to fresh air and keep comfortable for breathing. IF exposed or concerned: Get medical advice/attention.
STORAGE PRECAUTIONARY STATEMENT	P411 P412	Store at temperatures not exceeding 50 °C/ 122 °F. Do not expose to temperatures exceeding 50 °C/122 °F.
DISPOSAL PRECAUTIONARY STATEMENT	P501	Dispose of contents/container in accordance with local, regional, national and international regulations.

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 VIVACITY ENGINEERING PTY LTD | ABN: 78 305 545 664

## Safety Data Sheet

<b>POISON SCHEDULE</b>	S5. Caution
<b>DANGEROUS GOOD CLASSIFICATION</b>	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>DANGEROUS GOODS CLASS</b>	9 Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.

### 3. COMPOSITION INFORMATION

CHEMICAL ENTITY	CAS NO	PROPORTION
Asphalt	8052-42-4	>60 %
Benzene, ethenyl-, polymer with 1,3-butadiene	9003-55-8	10-29 %
Mineral filler		10-29 %
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>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water. If swelling, redness, blistering or irritation occurs seek medical assistance.
<b>EYE CONTACT</b>	If in eyes wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.
<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.

## Safety Data Sheet

### 5. FIRE FIGHTING MEASURES

<b>HAZCHEM CODE</b>	2Y
<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>	Combustible liquid.
<b>FIRE FIGHTING FURTHER ADVICE</b>	On burning or decomposing may emit toxic fumes. Fire fighters to wear self-contained breathing apparatus and suitable protective clothing if risk of exposure to vapour or products of combustion or decomposition.

### 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>	15

### 7. HANDLING AND STORAGE

<b>HANDLING</b>	Avoid eye contact and repeated or prolonged 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>Classified as a C2 (COMBUSTIBLE LIQUID) for the purpose of storage and handling, in accordance with the requirements of AS 1940. Refer to State Regulations for storage and transport requirements.</p> <p>This material is classified as a Class 9 Miscellaneous Dangerous Good as per the criteria of the "Australian Code for the Transport of Dangerous Goods by Road &amp; Rail" and/or the "New Zealand NZS5433: Transport of Dangerous Goods on Land" and must be stored in accordance with the relevant regulations.</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>

## Safety Data Sheet

### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

NATIONAL OCCUPATIONAL EXPOSURE LIMITS	TWA		STEL		NOTICES
	ppm	mg/m <sup>3</sup>	ppm	mg/m <sup>3</sup>	
Bitumen fumes	-	5	-	-	-
<p>As published by Safe Work Australia.</p> <p>TWA - The time-weighted average airborne concentration over an eight-hour working day, for a five-day working week over an entire working life.</p> <p>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.</p> <p>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.</p> <p>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.</p>					
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	<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>				
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.				

## Safety Data Sheet

### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form:	Solid
Colour:	Black rubbery solid at normal room temperatures
Odour:	Odourless at normal room temperatures. At elevated temperatures of 100 Deg C or above (heated to melting point), the product produces a charactersitic bitumen odour.
Solubility in water:	Insoluble
Specific Gravity:	Approximately 1
Flash Point (°C):	>250 Deg C
Melting Point/Range (°C):	50-95 Deg C to make black liquid

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

### 10. STABILITY AND REACTIVITY

<b>CHEMICAL STABILITY</b>	Unlikely to react or decompose under normal storage. Containers should be kept dry in well-ventilated area.
<b>CONDITIONS TO AVOID</b>	Containers should be kept away from sources of ignition and from high temperature generating areas.
<b>INCOMPATIBLE MATERIALS</b>	None.
<b>HAZARDOUS DECOMPOSITION PRODUCTS</b>	Carbon dioxide from complete combustion, carbon monoxide and smoke from incomplete combustion.
<b>HAZARDOUS REACTIONS</b>	Unlikely to undergo polymerisation 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></p> <p>When working at elevated temperatures with this product, bitumen fumes may cause moderate to severe irritation of the nose, throat and respiratory tract. Other symptoms that may be caused are headache, dizziness and nausea, nasal congestion and sore throat. Working in confined spaces with this product may accumulate hydrogen sulphide which may cause additional symptoms such as pulmonary oedema, loss of consciousness, brain damage and death.</p> <p><b>Skin contact</b></p> <p>Fumes produced at elevated temperatures may cause moderate to severe irritation and contact with product will cause severe thermal burns. Dust from this product may cause irritation in the form of redness, occasional skin dryness and peeling.</p> <p><b>Ingestion</b></p> <p>Unlikely.</p> <p><b>Eye contact</b></p> <p>Fumes produced at elevated temperatures may cause severe irritation and contact with product will cause severe burns. Dust from this product may cause irritation in the form of burning, redness, swelling and watering. 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 not corrosive or irritating to eyes. Skin: this material has been classified as not corrosive or irritating 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 not a 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>

## Safety Data Sheet

<b>CHRONIC TOXICITY</b>	<b>Mutagenicity</b> This material has been classified as not a mutagen.
	<b>Carcinogenicity</b> This material has been classified as not a carcinogen.
	<b>Reproductive toxicity (including via lactation)</b> This material has been classified as not a reproductive toxicant.
	<b>Specific target organ toxicity (repeat exposure)</b> This material has been classified as not a specific hazard to target organs by repeat exposure.

### 12. ECOLOGICAL INFORMATION

Avoid contaminating waterways.

<b>ACUTE AQUATIC HAZARD</b>	This material has been classified as not hazardous for acute aquatic exposure. 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 <sub>ow</sub> < 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.

## Safety Data Sheet

### 14. TRANSPORT INFORMATION

#### ROAD AND RAIL TRANSPORT

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".



UN No:	3257
Dangerous Goods Class:	9
Subsidiary Risk, Secondary Subsidiary:	
Packing Group:	III
Special Provisions:	232, 274
Limited Quantities:	0
Hazchem Code:	2Y
Emergency Response Guide No:	15
<b>Packagings and IBCs</b>	
Packing Instructions	P099, IBC01
Special Packing Provisions	
<b>Portable Tanks and Bulk Containers</b>	
Instructions	T3
Special Provisions	TP3, TP29
Proper Shipping Name:	ELEVATED TEMPERATURE LIQUID, N.O.S.
Segregation Dangerous Goods:	Not to be loaded with explosives (Class 1). Note 1: Materials that are fire risks are incompatible with oxidising agents (Class 5.1) or organic peroxides (Class 5.2). Exemptions may apply.



## Safety Data Sheet

### MARINE TRANSPORT

Classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea. This material is classified as a Marine Pollutant (P) according to the International Maritime Dangerous Goods Code.



UN No:	3257
Dangerous Goods Class:	9
Subsidiary Risk, Secondary Subsidiary:	
Packing Group:	III
Special Provisions:	232, 274
Limited Quantities:	0
Hazchem Code:	2Y
Emergency Response Guide No:	15
EMS fire:	F-A
EMS spill:	S-P
<b>Packagings and IBCs</b>	
Packing Instructions:	P099, IBC01
Special Packing Provisions:	
<b>Portable Tanks and Bulk Containers</b>	
Instructions:	T3
Special Provisions:	TP3, TP29
Proper Shipping Name:	ELEVATED TEMPERATURE LIQUID, N.O.S.

### AIR TRANSPORT

Classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

TRANSPORT PROHIBITED under the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air in passenger and cargo aircraft.



UN No:	3257
Dangerous Goods Class:	9
Packing Group:	None
Proper Shipping Name:	ELEVATED TEMPERATURE LIQUID, N.O.S.

## 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/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): S5. Caution.
- AICIS Status: Formulations where all components are AICS listed.

### 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.