

# Material Safety Data Sheet

<b>Section 1:</b>	<b>Identification of Product &amp; Supplier</b>
-------------------	---

**Product:** **Megapoxy CT - Part B**  
(Use in conjunction with Megapoxy CT - Part A)

**Classification:** **Hazardous according to criteria of Worksafe Australia. This product contains compounds that are listed as carcinogens (R 45)**

**Uses:** Coal Tar epoxy for civil engineering use.

**Supplier:** **Vivacity Engineering Pty Ltd**

**ABN:** **78 305 545 664**

**Street Address:** **3 Sefton Road**  
**Thornleigh, NSW 2120, Australia**

**Telephone:** **61 2 9875 3044**

**Facsimile:** **61 2 9875 3665**

**Emergency Phone:** **As Above or After Hours 61 2 9484 7958 or 0418 112 515**

**e mail:** [info@megapoxy.com](mailto:info@megapoxy.com)

<b>Section 2:</b>	<b>Hazards Identification</b>
-------------------	-------------------------------

**Hazard Category:** Xn Harmful, Xi Irritant

**Risk Phrases:** R21/22 Harmful in contact with skin and if swallowed  
R43 May cause sensitisation by skin contact.  
R 45 May cause cancer, T - Toxic

**D.G. Class:** 8

**Subsidiary Risk:** Nil

**Poison Schedule:** S 5

This product is a Schedule Poison S 5 and must be stored, maintained and used in accordance with the relevant regulation.

<b>Section 3:</b>	<b>Composition &amp; Information on ingredients</b>
-------------------	---

<b>Ingredients:</b>	<b>Name</b>	<b>Cas No.</b>	<b>Proportion</b>
	Refined Coal Tar Pitch	65996-89-6	Very High
	Triethylenetetramine	112-24-3	Medium

**V.High >60, High 30 - 60, Med 10 - 29, Low 1 - 9, V.Low <1**

All the constituents of this product are listed on the Australian Inventory of Chemical Substances (AICS) and National Registration Authority (NRA) approved active constituents.

<b>Section 4:</b>	<b>First Aid Measures</b>
-------------------	---------------------------

## Megapoxy CT - Part B

Poison Information Centres in each State capital can provide additional assistance for scheduled poisons. (Phone Australia 131 126)

**Ingestion:** If swallowed do not induce vomiting. Rinse mouth with water, give glass of milk or vegetable oil and seek medical attention.

**Eye contact:** Immediately irrigate with copious quantities of water for at least 15 minutes. Eyelids to be held open. Seek immediate medical assistance.

**Skin contact:** Remove contaminated clothing and footwear. Wash skin thoroughly with warm soapy water. Apply broad spectrum UV block out cream to affected areas and seek medical attention.

**Inhalation:** Remove victim from exposure to fresh air. If breathing difficulty, apply artificial respiration and seek medical attention.

**Note to Physician:** For sensitive skin areas product may be removed using cotton wool pads soaked in castor oil.

<b>Section 5:</b>	<b>Fire Fighting Measures</b>
-------------------	-------------------------------

**Extinguishing media:** Water, Foam, Dry chemical powder, Carbon dioxide.

**Specific Hazards:** The material is stable under normal conditions. On heating the product gives off volatile flammable vapours. Dense fumes are formed on decomposition with overheating. Vapours may cause headaches, dizziness, irregular breathing and confusion when inhaled. Wear full protective clothing.

**Fire Fighters:** Wear positive pressure, self-contained breathing apparatus and full protective clothing.

<b>Section 6:</b>	<b>Accidental Release Measures</b>
-------------------	------------------------------------

**Small Spills:** Shut off all possible ignition sources. Wear protective equipment to prevent skin and eye contamination. Clean with absorbent material like sand, soil, vermiculite or any other inert material. Avoid contamination of drains, sewerage and waterways. Collect and seal in properly labelled containers for disposal as per local council statutory codes.

**Large Spills:** Shut off all possible ignition sources. Wear protective equipment to prevent skin and eye contamination. Clean with absorbent material like sand, soil, vermiculite or any other inert material. Avoid contamination of drains, sewerage and waterways. Collect and seal in properly labelled containers for disposal as per local council statutory codes. If contamination of crops, waterways, drains or sewerage has occurred, advise Emergency Services or State Department of Agriculture.

<b>Section 7:</b>	<b>Handling and Storage</b>
-------------------	-----------------------------

**Storage:** Store in the closed, original container in a cool ventilated area. Keep containers tightly closed when not in use. Keep away from explosives, food,

## Megapoxy CT - Part B

oxidising agents and organic peroxides. This product is a Scheduled Poison S5 and must be stored, maintained and used in accordance with the relevant regulations. Avoid from physical damage.

<b>Section 8:</b>	<b>Exposure Controls &amp; Personal Protection</b>
-------------------	--

**Exposure Limits:** No value assigned for this specific product by the National Occupational and Safety Commission (Worksafe Australia). However, supplier recommended Hygiene Standard as under;

### TWA STEL Carcinogen Notices

Material	TWA		STEL		
	ppm	mg/m3	ppm	mg/m3	
Ref. Coal Tar Pitch	N/E*	0.2	N/E*	N/E*	
Triethylenetetramine	N/E*	N/E*	N/E*	N/E*	

**N/E\* - No Exposure Standard has been established for this product.**

**Eng. Controls:** Special ventilation is not normally required due to the low volatility of the product at normal temperature. However, in the operation of certain equipment or at elevated temperatures, mists or vapours may be generated and exhaust ventilation should be provided to maintain airborne concentration levels below the exposure standards or where no exposure standard is allocated, as low as reasonably practicable.

**Personal Protection:** Use overalls, safety shoes, safety goggles, rubber or chemical resistance gloves and respirator if required.

**Manufacturing, Packaging &** Avoid skin and eye contact and the inhalation of vapour. Wear overalls, safety goggles and impervious gloves. Available information suggests that the gloves

**Transport:** made from PVC should be suitable for intermittent contact. However due to variations in glove construction and local conditions, the final assessment should be made by the user. If inhalation risk exists, wear organic vapour respirator meeting requirements of AS/NZS 1715 and 1716. Always wash hands with soap and water before smoking, eating, drinking or using toilet facilities.

**Preparations & use of product:** Repeated exposure may cause allergic disorders. Sensitive workers should use protective clothing. Avoid contact with eyes and skin. Do not inhale mist or vapours. After each day's use, wash gloves, safety goggles and all the contaminated clothing.

<b>Section 9:</b>	<b>Physical &amp; Chemical Properties</b>
-------------------	---

**Appearance** : Black viscous liquid  
**Solubility** : Not soluble in water

## Megapoxy CT - Part B

<b>Specific Gravity</b>	:	1.15 - 1.18 @ 25 deg. C
<b>Boiling Point</b>	:	More than 200 deg. C
<b>Rel.Vapour Density (air=1)</b>	:	> 1
<b>Melting Range</b>	:	Not established
<b>Vapour Pressure (20o C)</b>	:	Less than 0.01 Pa
<b>Decomposition Temp.(o C)</b>	:	More than 200 deg. C
<b>Flash Point (o C)</b>	:	110 deg. C (Closed cup)
<b>Flammability Limits (%)</b>	:	Not established
<b>Ph</b>	:	Not applicable
<b>Autoignition Temp. (o C)</b>	:	Not available
<b>% Volatile by Volume</b>	:	Nil

(All above values are Typical Values only)

<b>Section 10:</b>	<b>Stability &amp; Reactivity</b>
--------------------	-----------------------------------

**Stability:** The product is stable under normal conditions and use.

<b>Section 11:</b>	<b>Toxicological Information</b>
--------------------	----------------------------------

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

**Acute Effects: Ingestion:** Harmful if swallowed. May cause gastrointestinal discomfort, irritation, nausea and vomiting.

**Eye:** Brief contact may cause severe irritation and discomfort to eyes.

**Skin:** Mild irritant and poorly absorbed through the skin. Prolonged and repeated contact may cause severe irritation and/or dermatitis.

**Inhaled:** Not hazardous at ambient temperatures. Vapours generated at elevated temperatures or when inhaled repeatedly may cause headaches, dizziness, irregular breathing and confusion.

**Long Term Effects:** Repeated skin contact and inhalation may result in sensitisation in some individuals. May cause allergic reaction, dermatitis or asthma like symptoms. Follow good working practice. Avoid ingestion, inhalation, eye and skin contact. Wash hands with soap and water before eating, drinking, smoking or using toilet facilities.

**Toxicity:** This product is classified T - Toxic and R 45 - Contains compounds that are listed as carcinogens.

<b>Ecological Information</b>
-------------------------------

Avoid contamination of drains, sewerage, creeks and waterways.

## Megapoxy CT - Part B

Product may be toxic to some aquatic organisms.

### Section 13:

#### Disposal Consideration

Dispose all empty containers as per State & Council Regulation. Do not dispose near waterways, vegetation and tree roots. Empty containers and product should not be burned.

### Section 14:

#### Transport Information

<b>UN. No.</b>	:	2259
<b>Shipping Name</b>	:	Triethylenetetramine
<b>Class</b>	:	8
<b>Subsidiary Risk</b>	:	Nil
<b>Packaging Group</b>	:	II
<b>Hazchem Code</b>	:	2R
<b>EPG</b>	:	8A1
<b>Segregation</b>	:	Not to be loaded with explosives, oxidising agents or organic peroxides.

For road, marine and air transport this product is classified as dangerous goods within the context of National and International Transport Regulation.

### Section 15:

#### Regulatory Information

The National Model Regulations for the Control of Workplace Hazardous Substances [ NOHSC : 10005 (1999)].

The National Standard for the Storage and Handling of Workplace Dangerous Goods [ NOHSC : 1015 (2001)].

### Section 16:

#### Other information

<b>Date of Preparation</b>	:	01.07.02
<b>Date of Revision</b>	:	01.07.07
<b>Reasons for Issue</b>	:	Five yearly update and new format MSDS's are updated frequently. Please ensure you have the current copy.

This MSDS summarises at the date of issue our best knowledge of health and safety hazard information of the product, and in particular how to handle and use the product in the workplace. Since Vivacity Engineering Pty Ltd cannot anticipate or control the conditions under which the product may be used each user must, prior to usage, review this MSDS in the context to use and handling of the product in the workplace.

## **Megapoxy CT - Part B**

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact Vivacity Engineering Pty Ltd. Our responsibility for the product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.

**Approved By: Frank Taylor**