



# MATERIAL SAFETY DATA SHEET

## EVEREK SRE/B - PART B

Revised: May 1<sup>st</sup>, 2009

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Hazardous according to criteria of NOHSC

### SECTION 1 IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product (Material) Name:** Everek SRE/B - Part B

**Other names:**

**Recommended Use:** Bitumen modified curing agent for flexible epoxy resin for repair of cracks and joints in concrete pavements, or as a continuous water-proofing.

**Supplier:** CTI Consultants Pty Ltd  
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### SECTION 2 HAZARDS IDENTIFICATION

**Overall hazardous nature:** **HAZARDOUS SUBSTANCE** according to the criteria of NOHSC.  
**DANGEROUS GOODS.**

**Risk Phrases:** **Xn Harmful C Corrosive**  
R20/21/22 Harmful by inhalation, in contact with skin and if swallowed  
R34 Causes burns  
R38 Irritating to skin  
R43 May cause sensitisation by skin contact  
R65 Harmful. May cause lung damage if swallowed

**Safety Phrases:** S2 Keep out of reach of children  
S23 Do not breathe vapour  
S24/25 Avoid contact with skin and eyes.  
S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.  
S36/37/39 Wear suitable protective clothing, glove and eye/face protection.  
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).  
S60 This material and its container must be disposed of as hazardous waste.  
S61 Avoid release to the environment.  
S62 If swallowed, do not induce vomiting; seek medical advice immediately (show the label where possible).

**Poisons Schedule:** Schedule 5 (Standard for the Uniform Scheduling of Drugs & Poisons)

### SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical Ingredients:** Blend of cycloaliphatic amines and bitumen solution.

#### Hazardous Ingredients:

<i>Material</i>	<i>CAS No.</i>	<i>Proportion</i>
Nonyl phenol	84852-15-3	> 25%
Aminoethylpiperazine	140-31-8	15 - 25%
Bitumen	8052-42-4	25%
Mineral Turpentine	8006-64-2	25%

## **SECTION 4 FIRST AID MEASURES**

<b>Eye Contact:</b>	Rinse carefully and thoroughly with water for 15 minutes with eyelids held open. Seek prompt medical advice.
<b>Skin Contact:</b>	Wipe off excess material with a clean rag or absorbent towel, and wash skin thoroughly with soap and flowing water. Do not use solvents to clean skin. If symptoms persist, seek medical attention. Remove contaminated clothing and laundry before re-use. Discard contaminated foot-wear.
<b>Swallowed:</b>	Do NOT induce vomiting. Rinse mouth with water, and give a glass of water. Seek medical aid or transfer to hospital promptly.
<b>Inhalation:</b>	Remove to fresh air. If breathing difficulties occur, apply artificial respiration. Seek medical aid.
<b>First Aid Facilities:</b>	Eye wash station. Showering facility. First aid kit.
<b>Advice To Doctor:</b>	Some ingredients of this formulation are corrosive to tissue. If product is in eyes, check for corneal injury. The attending physician should decide if vomiting is to be induced if product has been swallowed. If burns are present, treat as thermal burn after cleaning wound. Skin contact may cause dermatitis. Treat as any contact dermatitis. No specific antidote. Supportive care. Treatment based on the judgement of the doctor in response to the reactions of the patient.

## **SECTION 5 FIRE FIGHTING MEASURES**

<b>Flammability:</b>	Non-flammable liquid. Will support combustion.
<b>Fire-Explosion Hazards:</b>	Drums or pails may rupture when exposed to fire conditions.
<b>Extinguishing media:</b>	Extinguish with dry powder, CO <sub>2</sub> , foam or sprayed water jet.
<b>Combustion products:</b>	Include carbon monoxide and water. Will decompose above 260°C and generate ammonia.
<b>Special Precautions:</b>	Fire fighters to wear positive pressure self-contained breathing apparatus.
<b>Hazchem Code:</b>	2X

## **SECTION 6 ACCIDENTAL RELEASE MEASURES**

Slippery when spilled. Remove excess material by mechanical means such as scraping up with a shovel. Soak up wastes or spills in an absorbent material such as sand or saw-dust. Place in secure containers for disposal. Burn in an adequate incinerator or bury in an approved landfill in accordance with State or Local Government regulations.

## **SECTION 7 HANDLING AND STORAGE**

<b>Safe Handling:</b>	Use appropriate PPE.
<b>Ventilation:</b>	Provide general or local exhaust ventilation to control airborne exposure.
<b>Storage</b>	Store in a cool place away from heat and ignition sources. Keep partially used containers well closed. Store away from food-stuffs and clothing. Keep out of reach of children.

## **SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>Exposure Limits:</b>	Not established for this material. However the solvent Mineral Turpentine has been assigned an Exposure Standard of 480 mg/m <sup>3</sup> as an 8-hour TWA.
<b>Biological Limit Values:</b>	No biological limit allocated
<b>Ventilation:</b>	Provide general or local exhaust ventilation to control airborne exposure.
<b>Personal Protection:</b>	
Respiratory:	Not required for normal use with adequate ventilation. If inhalation risk exists, wear organic vapour respirator meeting the requirements of AS/NZS1716. For emergency conditions, use an approved positive pressure self-contained breathing apparatus.
Hands and Skin:	Wear body covering clothing. Protect hands with impervious gloves. Wear boots. A safety shower should be located nearby.
Eyes:	Wear chemical goggles. An eye-wash station should be located nearby.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Black viscous liquid, hydrocarbon smell, with slight ammoniacal odour
Volatile Content:	25%
Flash Point:	44°C (Pensky-Martens Closed Cup)
Boiling Point:	193°C
Specific Gravity:	0.96-0.98
Solubility in Water:	Immiscible
Ignition Temperature:	Not Determined, > 200°C
Freezing Point:	Not Determined, < -20°C

## SECTION 10 STABILITY AND REACTIVITY

<b>Chemical stability</b>	Stable in normal conditions
<b>Conditions to avoid:</b>	Heat
<b>Hazardous reactions:</b>	May decompose at temperatures above 260°C to generate ammonia.

## SECTION 11 TOXICOLOGICAL INFORMATION

<b>Swallowed (Acute):</b>	May cause gastrointestinal disturbance including severe irritation, nausea and vomiting and burns to the digestive tract.
<b>Skin Contact (Acute):</b>	May cause severe irritation and possibly burns. Repeated or prolonged skin contact may lead to irritant contact dermatitis.
<b>Eye Contact (Acute):</b>	May result in severe eye irritation and corneal injury which may be permanent.
<b>Inhalation (Acute):</b>	Vapour is irritant to mucous membranes and respiratory tract. Inhalation of vapour can result in headaches, dizziness and possible nausea. Inhalation of high concentrations can produce central nervous system depression which can lead to loss of coordination, impaired judgement. Vapours at high concentration may cause nausea and dizziness.
<b>Chronic:</b>	Prolonged skin contact will cause severe irritation and burns, and may result in skin sensitisation or dermatitis in certain individuals. Lifetime skin painting tests indicate that a material of similar composition to the bitumen used in this product has produced skin cancer in experimental animals. The relationship of these results to humans has not been fully established. Corneal injury may result from prolonged or repeated eye contact. Prolonged exposure to high concentration of vapours may affect the central nervous system and may cause irregular breathing, unconsciousness and coma.

## SECTION 12 ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	Material should not be allowed to enter waterways, stormwater drains or sewers. Very toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.
<b>Persistence/biodegradability:</b>	Not readily biodegradable
<b>Mobility:</b>	Potential for mobility in soil is low
<b>Environmental fate:</b>	No data
<b>Bioaccumulative potential:</b>	No data

## SECTION 13 DISPOSAL CONSIDERATIONS

<b>Disposal:</b>	Unrequired material should be mixed with recommended hardener or base in suitable containers, allowed to set hard and be disposed of as general industrial waste
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## SECTION 14 TRANSPORT INFORMATION

<b>Transport:</b>	This product is classified as <b>DANGEROUS GOODS</b> in the Australian Dangerous Goods Code.
<b>Dangerous Goods Class:</b>	8
<b>UN Proper Shipping Name:</b>	CORROSIVE LIQUID, n.o.s.
<b>UN Number:</b>	1760
<b>Hazchem Code:</b>	2X
<b>Packaging Group:</b>	III EPG8

## **SECTION 15 REGULATORY INFORMATION**

**Poisons Schedule:** Schedule 5 (Standard for the Uniform Scheduling of Drugs & Poisons)

## **SECTION 16 OTHER INFORMATION**

**Date of MSDS Preparation:** 1<sup>st</sup> May 2009

### **PLEASE READ**

*This material safety data sheet conforms to the guidelines issued by NOHSC. Its purpose is to allow the safe use of this product, and to alert users to any possible hazards associated with its use. All data quoted herein is typical for the product but does not constitute guaranteed analysis nor a product specification and is based on the most accurate information available at the time of writing. All information is given in good faith but may be subject to change without notice.*