



# Material Safety Data Sheet

Page 1 of 6

Issue date: February 2010

## Erapol CCM95A Part B

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** Erapol CCM95A Part B

**Synonym:** None

**Use:** Polyurethane Curative

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Australia  
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**Emergency Advice:**

Technical Manager +61 2 9666 3788

### 2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO NOHSC CRITERIA

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

**Hazard Classification:** HAZARDOUS SUBSTANCE, NON-DANGEROUS GOOD

**RISK PHRASES**

R22 Harmful if swallowed.

R43 May cause sensitisation by skin contact.

R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

**SAFETY PHRASES**

S24 Avoid contact with skin.

S37 Wear suitable gloves.

S45 In case of accident or if you feel unwell seek medical advice immediately (show the label where possible).

S60 This material and/or its container must be disposed of as hazardous waste.

S61 Avoid release to the environment. Refer to special instructions/safety data sheet.

**Poison Schedule:** S6 [Aust]

This material is a Scheduled **S6** Poison and must be stored, handled and used according to the appropriate regulations.

**Warning Statement:**

Do not swallow. Avoid skin contact. Skin contact may cause allergic reaction. Avoid release to the aquatic environment.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion	CAS Number
DI-(METHYLTHIO)TOLUENEDIAMINE [DMTDA]	Greater than 60%	106264-79-3

### 4. FIRST AID MEASURES

**Swallowed:**

If swallowed, DO NOT induce vomiting. If victim is conscious give water. Seek urgent medical attention.

**Eye:**

If material is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eyelids are held open. If irritation persists seek medical attention.



# Material Safety Data Sheet

Page 2 of 6

Issue date: February 2010

## Erapol CCM95A Part B

### **Skin:**

If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap. If irritation persists after washing seek medical attention.

### **Inhaled:**

Remove victim to fresh air. Apply resuscitation if person is not breathing. If breathing is difficult, trained personnel should administer oxygen. Seek medical attention.

### **First Aid Facilities:**

Eye wash fountain, safety shower and normal washroom facilities.

### **Advice to Doctor:**

Treat symptomatically.

**In case of poisoning, contact Poisons Information Centre**

**In Australia call Tel: 131126**

**In New Zealand Tel: 034747000**

## 5. FIRE-FIGHTING MEASURES

### **Fire/Explosion Hazard**

If safe to do so, move undamaged containers from fire area.

**HAZARDOUS DECOMPOSITION PRODUCTS:** Decomposes on heating emitting oxides of carbon and nitrogen.

**FIRE FIGHTING PROCEDURES:** Fire fighters to wear Self-contained breathing apparatus (SCBA) in confined spaces, in oxygen deficient atmospheres or if exposed to products of decomposition. Full protective clothing is also recommended.

**EXTINGUISHING MEDIA:** Use extinguishing media suitable for surrounding fire situation. Use foam, water spray, carbon dioxide or dry powder.

**HAZCHEM CODE:** None allocated [Aust]

### **FLAMMABILITY**

This material is not a flammable or combustible material.

## 6. ACCIDENTAL RELEASE MEASURES

Material may be slippery when spilt. Walk cautiously. Ventilate area. Wear protective equipment to prevent skin and eye contact, as outlined under personal protection in this MSDS. Bund area using sand or soil - to prevent run off into drains and waterways. Use absorbent (soil, sand, vermiculite or other inert material). Collect and seal in properly labelled containers for disposal.

## 7. HANDLING AND STORAGE

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition. Store away from oxidizing agents. Keep containers closed, when not using the product. Store in original packages as approved by manufacturer. Do not eat, drink or smoke in the workplace. Protect from moisture. Purge containers with nitrogen and close container when not in use. Wear gloves, long sleeved shirt and eye protection.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure Standards**

No exposure standards have been assigned by [NOHSC] for this product or any of the components:

### ***DI-(METHYLTHIO)TOLUENEDIAMINE [DMTDA]***

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC)



# Material Safety Data Sheet

Page 3 of 6

Issue date: February 2010

## Erapol CCM95A Part B

### Engineering Controls

Maintain adequate ventilation at all times. In most circumstances natural ventilation systems are adequate unless the material is heated, reacted or otherwise changed in some type of chemical reaction, then the use of a local exhaust ventilation system is recommended.

### Personal Protection Equipment

**CLOTHING:** PVC or natural rubber apron or splash suit.

**GLOVES:** PVC or natural rubber.

**EYES:** Chemical goggles or face shield to protect eyes.

**RESPIRATORY PROTECTION:** Avoid breathing of vapours/gases. Select and use respirators in accordance with AS/NZS 1715/1716. In case of vapours or mists, a respirator for organic vapours with (disposable) or with replaceable filters is recommended. Filter capacity and respirator type depends on exposure levels and type of contaminant. If entering spaces where the airborne concentration of a contaminant is unknown then the use of a Self-contained breathing apparatus (SCBA) with positive pressure air supply complying with AS/NZS 1715 / 1716, or any other acceptable International Standard is recommended.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Pale yellow – amber clear liquid.
<b>Boiling Point Melting Point:</b>	Not determined
<b>Vapour Pressure:</b>	Not determined
<b>Specific Gravity:</b>	1.2
<b>Flash Point:</b>	176°C (PMCC)
<b>Flammability Limits:</b>	Not determined
<b>Solubility in Water:</b>	< 1.0%

### Other Properties

None

## 10. STABILITY AND REACTIVITY

### STABILITY:

Stable under normal conditions of use.

### HAZARDOUS DECOMPOSITION PRODUCTS:

Emits toxic fumes including oxides of carbon and nitrogen when heated to decomposition.

### HAZARDOUS POLYMERIZATION:

Will not occur under normal conditions of use.

### INCOMPATIBILITIES:

Strong acids and oxidizing agents.

### CONDITIONS TO AVOID:

Heat, flames, ignition sources and incompatibles.

## 11. TOXICOLOGICAL INFORMATION

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

### ACUTE HEALTH EFFECTS:

#### Swallowed:

Harmful if swallowed.

#### Eye:

Not expected to be an eye irritant. May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision some who are prone to sensitivities.



# Material Safety Data Sheet

Page 4 of 6

Issue date: February 2010

## Erapol CCM95A Part B

**Skin:**

Will cause irritation to the skin, with effects including: redness, itchiness, and possible dermatitis.

**Inhaled:**

May cause irritation to some, to the nose, throat and respiratory system with effects including: dizziness, headache and loss of co-ordination.

**Chronic:**

Prolonged or repeated exposure may lead to irreversible damage to health.  
Prolonged or repeated contact with this substance will cause sensitisation by skin contact.

**Toxicological Data:**

Acute Data

LD50 oral (rat) 1515mg/kg

LD50 Dermal (rabbit) > 2000 mg/kg

Rats given this product in the diet for up to 90 days showed increased liver metabolic activity. There were kidney effects observed that were unique to male rats. These effects were similar to changes that have been observed in male rats given hydrocarbons. These effects resolved in animals allowed 30 days recovery. Rats treated for 24 months did not have microscopic alterations in any tissues compared to the control animals. Tumours seen in control and treated animals were usual for age and strain of rats.

AMES SALMONELLA/MICROSOME: Dose response increase S-9

CHO/HGPRT: No activity

IN VITRO CYTOGENETICS: Increase in aberrations with and without S-9 at toxic levels.

IN VITRO CELL TRANSFORMATION: No activity.

DNA SYNTHESIS: No activity

There is no other toxicological information available for this product.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:**

There is no information available for this product.

**Mobility:**

There is no information available for this product.

**Persistence / Degradability:**

There is no information available for this product.

**Chemical Fate Information:**

The product is very toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment. Do not allow into drains or waterways. Do not allow to contaminate soil.

## 13. DISPOSAL CONSIDERATIONS

Dispose of in accordance with all relevant Local, State and Federal regulations. Dispose of material through a licensed waste contractor. Any processing, use, or contamination of this product may change the requirements for disposal. It is the responsibility of the generator of the waste to properly classify, transport and dispose of the waste.

## 14. TRANSPORT INFORMATION

**Road Transport**

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** Harmful (Xn), Irritant (Xi)



# Material Safety Data Sheet

Page 5 of 6

Issue date: February 2010

## Erapol CCM95A Part B

### Air Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** Harmful (Xn), Irritant (Xi)

### Sea Transport

**UN Number:** None allocated

**Proper Shipping Name:** NONE ALLOCATED

**Dangerous Goods Class:** None allocated

**Packing Group:** None allocated

**Label:** Harmful (Xn), Irritant (Xi)

## 15. REGULATORY INFORMATION

**Poison Schedule:** S6 [Aust]

### Inventory Status:

Inventory	Status
Australia (AICS)	Y

Y = all ingredients are on the inventory.

## 16. OTHER INFORMATION

### Date of Preparation:

Issue date: 12 February 2010

Supersedes: June 2005

### Reasons for Update:

Periodic review

### Key Legend Information:

NOHSC - National Occupational Health & Safety Commission {Formerly Worksafe}[Aust]

SUSDP - Standard for the Uniform Scheduling of Drugs and Poisons [Aust]

TWA - Time Weighted Average [Int]

STEL - Short Term Exposure Limit [Int]

AICS - Australian Inventory of Chemical Substances

EPA - Environmental Protection Agency [Int]

NIOSH - National Institute for Occupational Safety and Health [US]

AS/NZS 1715 - Selection, use and maintenance of respiratory protective devices. [Aust/NZ]

AS/NZS 1716 - Respiratory protective devices. [Aust/NZ]

IATA - International Aviation Transport Authority [Int]

ICAO - International Civil Aviation Organization [Int]

IMO - International Maritime Organisation. [Int]

IMDG - International Maritime Dangerous Goods [Int]

United Nations Recommendations for the Transport of Dangerous Goods and Globally Harmonized System for the classification and labelling of Chemicals. [Int]

EU - European Union

[Aust/NZ] = Australian New Zealand

[Int] = International

[US] = United States of America

Removal of the heading of *Poison Schedule [Aust]*, in section 3 and 15 of this Material Safety Data Sheet (MSDS) makes this a valid health and safety document in other international jurisdictions/countries. For full compliance please contact your Federal, State or Local regulators for further information.



# Material Safety Data Sheet

Page 6 of 6

Issue date: February 2010

## Erapol CCM95A Part B

### **Disclaimer**

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control we do not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

### **Principal References:**

Information supplied by manufacturer, reference sources including the public domain.

**END OF MSDS**