

## SAFETY DATA SHEET

### 1: IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **ESTOTECT CT 450 (Part A)**  
Application: Coal Tar Epoxy  
Company: **Denka Construction Solutions Malaysia Sdn Bhd**  
Address: No. 18, Jalan Utas 15/7, Seksyen 15, 40200 Shah Alam, Selangor  
Telephone: 03 –55108810 Fax: 03 – 55188202

### 2: HAZARDS IDENTIFICATION

#### A. Hazard Risk Classification

- Health Hazard  
Skin Corrosion / Irritation: Category 2  
Serious Eye Damage / Eye Irritation: Category 2  
Acute toxicity – Oral, Dermal, Inhalation (Category 4)  
Respiratory or skin sensitization – Skin sensitizer (Category 1)  
Specific target organ toxicity – Single exposure (Category 3)

#### B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement  
H303 May be harmful if swallowed  
H315 Causes skin irritation.  
H319 Causes serious eye irritation.
- Precautionary Statement (Prevention)  
P201 Obtain special instruction before use.  
P202 Do not handle until all safety precautions have been read and understood.  
P264 Wash hand thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product.  
P280 Wear protective gloves/protective clothing/eye protection/face protection.  
P332 + P313 If skin irritation occurs. Get medical advice / attention.  
P362 Take off contaminated clothing and wash before reuse.

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### 3: COMPOSITION/INFORMATION ON INGREDIENTS

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<u>Ingredients</u>	<u>Cas Number</u>	<u>%</u>
Polyamine	-	< 30
Talc	14807-96-6	< 25
Calcium Carbonate	1317-65-3	< 25
Coal Tar	65996-89-6	30

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### 4: FIRST AID MEASURES

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Eyes	: Rinse eyes thoroughly with water for at least 15 minutes. Consult physician.
Skin	: Wash skin thoroughly with soap and water. Remove contaminated clothing. If symptoms persist consult physician.
Inhalation	: Remove to fresh air. If breathing has stopped, institute artificial respiration. Consult with physician.
Ingestion	: Do NOT induce vomiting. Dilute with water. Consult physician.

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### 5: FIRE FIGHTING MEASURES

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Flash Point	: Not applicable
Auto Ignition	: Not available
Extinguishing Media	: In case of fire, use water spray (fog) foam, dry chemical, or CO <sub>2</sub>
Fire Fighting Instruction	: Fire fighters should wear self-contained breathing apparatus and full protective gear.

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### 6: ACCIDENTAL RELEASE MEASURES

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Personal Precaution	: Use personal protective equipment.
Environmental Precaution	: Do not allow to enter drains or waterways. Do not discharge into the subsoil/soil.
Clean up Procedure	: Take up with absorb materials (e.g: sand, universal binder)

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### 7: HANDLING AND STORAGE

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Handling	: Ensure adequate ventilation
Storage	: Keep away from sources of ignition. Store in a cool dry area

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### 8: EXPOSURE CONTROL/PERSONAL PROTECTION

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Engineering Control	: Use with adequate general and local exhaust ventilation
Hygiene Measure	: Do not eat, drink, smoke or drug taking in work place. Wash hands before break or after work.
Respiratory Protection	: General room ventilation is normal and adequate.
Hand Protection	: Chemical resistance gloves /PVC gloves
Eye /face Protection	: Safety goggles with side shields
Skin Protection	: Light protective clothing

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## 9: PHYSICAL AND CHEMICAL PROPERTIES

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Odour	: Typical
Chemical Type	: Mixture
Flash Point	: 93°C
Boiling Range	: Not available
Volatile (by Volume)	: Not available
Volatile (by Weight)	: Not available
Vapor Density	: Heavier than air
Solubility	: Insoluble in water
Viscosity (25°C)	: 20k – 30k cps

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## 10: STABILITY AND REACTIVITY

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Stability	: Stable
Hazardous Polymerization	: Will not occur
Incompatible Material	: None known
Hazardous Decomposition Product	: Carbon dioxide and sulfur oxide (SO <sub>x</sub> )

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## 11: TOXICOLOGICAL INFORMATION

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Proper use provided, no adverse health effects have been observed or have been come to our knowledge. Eye contact may produce an oil film over the eyeball causing a harmless reversible short lasting dimness of sight.

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## 12: ECOLOGICAL INFORMATION

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Biodegradability	: Not available
Bioaccumulation	: Not available
Fish Toxicity	: Not available

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## 13: DISPOSAL CONSIDERATIONS

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Product	: In accordance with local authority regulations, take to special waste incineration plant.
Contaminated Packaging	: If empty contaminated containers are recycled or disposed of, the receiver must inform about possible hazards.

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## 14: TRANSPORT INFORMATION

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UN Number	: Not applicable
ARD/RID Shipping Data	: Not regulated (Not dangerous for transport)
IMO Shipping Data	: Keep from freezing (Not dangerous for transport)
ICAO/IATA Shipping Data	: Keep from freezing (Not dangerous for transport)

## 15: REGULATORY INFORMATION

Hazard Labels	: Irritant
Hazard Description	: Irritant
R43	: May cause sensation by skin contact
S24	: Avoid contact with skin

## 16: OTHER INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used than for the stated application or applications without seeking advice from Denka Construction Solutions Malaysia Sdn Bhd.

If this product has been purchased to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with information in this sheet. It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described to this sheet and of any precautions which should be taken. This sheet does not constitute or substitute for the users own assessment of workplace risk, as required by other health and safety legislation.

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