

SAFETY DATA SHEET

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND OF THE COMPANY / UNDERTAKING

Product Name: **ESTOTECT CT 450 (Part B)**
Application: Coal Tar Epoxy
Use advised against: No additional information available
Company: **PT. HISSAN TRADING INDONESIA**
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2. HAZARD IDENTIFICATION

A. Hazard Risk Classification

- Health Hazard
 - Flammable liquids: category 2
 - Acute toxicity (dermal): category 4
 - Acute toxicity (oral): category 4
 - Carcinogenic: category 1B
 - Reproductive toxicity: category 1A
 - Hazardous to aquatic environment (chronic hazard): category 3
 - Acute toxicity (inhalation): category 4
 - Skin Corrosion / Irritation: Category 2
 - Serious eye damage / eye irritation: Category 2
 - Skin sensitization: Category 1
 - Respiratory sensitization: category 1

B. Label elements including precaution statements.

- Symbol:



- Signal word: Danger

- Hazard Risk Statement:

H225 Highly flammable liquid and vapor
H302 Harmful if swallowed
H312 Harmful if in contact with skin
H315 Cause skin irritation
H317 May cause skin allergic skin reaction
H332 Harmful if inhaled
H340 May cause genetic defects
H361D Suspected damaging the unborn child
H373 May damage to organs through prolonged or repeated exposure
H411 Toxic to aquatic life with long lasting effect

- Precautionary Statement (Prevention)
 - P201 Obtain special instruction before use.
 - P202 Do not handle until all safety precautions have been read and understood.
 - P210 Keep away from ignition source
 - P233 Keep container tightly close
 - P240 Ground/ bound container and receiving equipment
 - P241 Use explosion proof electrical stirrer ventilation and lighting.
 - P243 Take precautionary measure against static discharge
 - P261 Avoid breathing dust, fume, gas, mist, and spray
 - P264 wash hand thoroughly after handling
 - P270 Do not eat drink or smoke when using this product
 - P271 Use only outdoor or in a well ventilated area
 - P273 Avoid release to the environment
 - P280 Wear protective glove, clothing, eye, and face protection
 - P312 Call a POISON CENTRE or doctor/physician if u feel unwell
 - P314 Get medical advice if you fell unwell
 - P322 Specific measure: refer first aid instruction.
 - P363 Wash Contaminated clothing before reuses
 - P391 Collect spillage
 - P302 + P352 if on skin: wash with plenty of soap and water
 - P332 + P313 if skin irritation occurs: Get medical advice/attention.
 - P362 Take off contaminated clothing and wash before reuse.
 - P370 in case of fire, use fire extinguisher media as in
 - P501 Dispose of content/container in accordance to local/national regulation

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition(s)	CAS No.	Percentages
Epoxy Resin	25068-38-6	30 ~ 60
Xylene	1330-20-7	1 ~ 10
Toluene	108-88-3	10 ~ 30

4. FIRST AID MEASURES

Eyes:	Flush eyes with large amount of water for 10 minute or until irritation subsides. If irritation persist, get medical attention.
Skin:	Remove contaminated clothing, immediately flush with large amount of water and use soap
Inhalation:	Remove from exposure. If feeling unwell obtain medical attention.
Ingestion:	Obtain medical attention. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

5. FIRE FIGHTING MEASURES

- Extinguishing Media : General extinguishing media foam, CO2, Dry chemical, water fog.
 In case of larger fires, water spray should be used.
- Unsuitable Media : Water jet
- Special Fire Fighting Procedure : None
- Special protective equipment : Firemen must wear self-contained breathing apparatus
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6. ACCIDENTAL RELEASE MEASURES

- Personal Precautions : Wear suitable protective clothing, gloves and eye/face protection.
- Environmental Precautions : Prevent entry into drains, sewers and water courses. If the product enters drains or sewer, or in the case of contamination of stream, rivers or lakes contact the relevant authorities.
- Decontamination Procedures : Soak up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as waste.
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7. HANDLING AND STORAGE

- Handling : Avoid skin and eye contact. Maintain good standards of personal hygiene. Do not eat, drink or smoke whilst using this product. Ensure adequate ventilation. The product should only be used in areas from which all naked flames and other sources of ignition have been excluded. Keep container tightly closed. Exclude source of heat, sparks and open flame. Do not press, cut, heat or weld containers. Use only tools that do not produce spark open and close container.
- Storage : Observe the label precautions. Store separately from oxidizing agents and strongly alkaline and strongly acidic materials. Store at ambient temperature in a dry, well-ventilated area away from sources of heat, ignition and direct sunlight. Container which are opened should be properly resealed and keep upright to prevent leakage.
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8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:-

Substance	Occupational Exposure Limits:-		
	8 Hour TWA	15 minSTEL	Notes
Xylene	100 ppm	150 ppm	Skin
Toluene	50 ppm	100 ppm	

- Engineering Control Measures : Provide adequate ventilation where reasonably practicable this should be achieved by use the use of local exhaust ventilation and good general extraction.
- Personal Protective Equipment : Impervious gloves (eg PVC). Safety glasses / Goggles.
 Plastic apron.
 Change contaminated clothing and clean before re-use.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Odour:	Characteristic
Colour:	Yellow greyish
Flash Point (closed, °C) :	>6
Explosive limits (%):	NA
Boiling Range:	NA
Specific Gravity, g/cm ³ :	approx. 1.38 ± 0.03
PH:	NA
Volatiles (%):	15 – 20

10. STABILITY AND REACTIVITY

Stable under the recommended storage and handling conditions. Keep away from oxidizing agents and strongly acidic materials to prevent the possibility of exothermic reaction. In case of fire, hazardous decomposition products such as smoke, carbon dioxide, and oxides of nitrogen maybe produced.

11. TOXICOLOGICAL INFORMATION

Acute toxicity:

Substances	LD ₅₀ Oral	LD ₅₀ Dermal	LC ₅₀ Inhalation
Xylene	-	-	5000 ppm
Toluene	636 mg/kg	8390 mg/kg	12.5 mg/L/4h

- Inhalation:** Exposure to organic solvent vapors may result in adverse health effects such as irritation of the mucous membrane and the respiratory system and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness and in extreme cases loss of consciousness.
- Skin contact:** Repeated or prolonged contact with the product may lead to removal of natural fats from skin resulting in non-allergic contact dermatitis and absorption through the skin.
- Eye contact:** Splashes in the eyes may cause irritation and reversible eyes damage.
- Ingestion:** May result on following affects – sore throat, abdominal pain, drowsiness, nauseas, vomiting and diarrhea.

12. ECOLOGICAL INFORMATION

The product should not be allowed to enter drains r water courses or be deposited where it can affect ground or surface water. The air pollution control requirement of regulations made under the environmental protection act may apply to use of this product.

Mobility:	NA
Biodegradability:	NA
Bioaccumulation:	NA
Sewage Treatment:	NA

13. DISPOSAL CONSIDERATIONS

This product is not suitable for disposal by either landfill or via municipal sewer, drains, and natural streams or via rivers. Recover or recycle if possible, otherwise incineration. Empirical container should be taken for recycling, recovery or disposal. For any disposal, care should be taken to ensure that a suitability qualified or licensed contractor has been selected.

14. TRANSPORT INFORMATION

ROAD/RAILWAYS

UN number:	UN 1263
Proper shipping name:	Paint
Class:	3
Packing group:	ii

AIR TRANSPORT

UN number:	UN 1263
Proper shipping name:	Paint
Class:	3
Packing group:	ii

TRANSPORT BY SEA

Marine Pollutant:	Yes
EMS No:	F-E, S-E
UN number:	UN 1263
Proper shipping name:	Paint
Class:	3
Packing group:	ii
MFAG No:	310, 313
IMDG Code Page:	3139

15. REGULATORY INFORMATION

Follow the local regulation.

16. OTHER INFORMATION

Also refer to the Safety Data Sheet (s) for information on other components of this product. 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 PT. Hissan Trading Indonesia.

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 user's own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from PT. Hissan Trading Indonesia.

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