

## SAFETY DATA SHEET

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

Product Name: **ESTOFLEX PU850**  
 Application: Polyurethane Waterproofing Membrane.  
 Company: Denka Construction Solutions Malaysia Sdn Bhd  
 Address: No. 18, Jalan Utas 15/7, Seksyen 15, 40200 Shah Alam, Selangor, Malaysia  
 Telephone: 03 – 55108810 Fax: 03 – 55100708

### 2. HAZARD IDENTIFICATION

#### A. Hazard Risk Classification

- Health Hazard
  - Skin Corrosion / Irritation: Category 2
  - Serious Eye Damage / Eye Irritation: Category 1
  - Respiratory Sensitization: Category 1
  - Skin Sensitization: Category 1
  - Reproductive Toxicity: Category 1B
  - Specific Target Organ Toxicity – Single Exposure: Category 3
  - Specific Target Organ Toxicity – Single Exposure: Category 2
  - Specific Target Organ Toxicity – Repeated Exposure: Category 2

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

- Symbol:



- Signal word: Danger
- Hazard Risk Statement

H304 May be fatal if swallowed and enter airways  
 H315 Cause skin irritation.  
 H317 May cause an allergic skin reaction  
 H335 May cause respiratory irritation  
 H360 May damage fertility or the unborn child  
 H371 May cause damage to organ  
 H412 Harmful to aquatic life with long lasting effects

- Precautionary Statement  
 (Prevention)

P201 Obtain special instruction before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P264 Wash your handling region thoroughly after handling  
 P270 Do not eat, drink or smoke when using this product  
 P273 Avoid release to the environment  
 P280 Wear protective gloves/protective clothing/eye protection/face protection.  
 P281 Use personal protective equipment as required

## (Response)

P302 + P352 IF ON SKIN: Gently wash with plenty of soap and water  
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing  
P332 + P313 If skin irritation occurs. Get medical advice / attention.  
P333 + P313 If skin irritation or rash occurs. Get medical advice / attention.  
P337 + P313 If eye irritation persists: Get medical advice / attention.  
P342 + P311 If experiencing respiratory symptoms: Call a POISON CENTRE or doctor / physician  
P363 Wash contaminated clothing before reuse

## (Storage)

P403 + P233 Store in a well - ventilated place. Keep container tightly closed  
P405 Store locked up

## (Disposal)

P501 Dispose of contents / container

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	CAS No	%
Acrylic Polymer	55965-84-9	40-50
Asphalt	8052-42-4	20-30
Filler	471-34-1	20-30
Water	7732-18-5	5 - 10

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or EILINCS (European List of New Chemical Substances) or are exempt.  
Refer to Section 8 for Occupational Exposure Limits.

### 4. FIRST AID MEASURES

Eyes	Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible. Obtain medical advice if skin disorders develop.
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

Flash Point	Non combustible
Flammable limit	NA
Extinguishing Media	General extinguishing media foam, CO2, Dry chemical, water fog
Special Fire Fighting Procedure	None

## 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.
Decontamination Procedures:	Soak up with inert absorbent or contain and remove by best available means. Gather into containers. Dispose of as waste.

## 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.
Storage:	Keep containers dry and tightly closed

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits	None assigned.
Engineering Control Measures	No specific ventilation requirement noted.
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 Emulsion
Colour	Dark brown
Odour	Characteristic
pH	7 to 9
Boiling Point/Range (°C)	Not determined.
Flash Point (closed, °C)	NA
Autoflammability (°C)	NA
Explosive Properties (%)	NA
Vapour Pressure (kPa at 20°C)	Not determined
Specific Gravity	approx 1.0 to 1.2
Vapour Density:	Not determined.

## 10. STABILITY AND REACTIVITY

Stability:	Stable at normal temperature
Conditions to Avoid:	None known.
Materials to Avoid:	None known.
Hazardous Decomposition Products:	None known in normal condition

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## 11. TOXICOLOGICAL INFORMATION

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This product is not considered a carcinogen

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## 12. ECOLOGICAL INFORMATION

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Environmental Assessment: This product is not known as biodegradable

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## 13. DISPOSAL CONSIDERATIONS

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Disposal must be in accordance with local and national legislation.

Unused Product:	Dispose of through an authorized waste contractor to a licensed site.
Used/Contaminated Product:	As for Unused product.
Packaging:	Must be disposed of through an authorized waste contractor.

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## 14. TRANSPORT INFORMATION

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IATA-DGR	Not dangerous goods
IMDG-Code	Not dangerous goods

This product is NOT classified as dangerous for transport.

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## 15. REGULATORY INFORMATION

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Not classified as dangerous under current regulation

## 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.

**SDS:** Estoflex PU850  
**Date Printed:** 26/01/2024  
**Revision:** 08



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