

# SAFETY DATA SHEET

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

**Product Name:** **ESTOPROOF 200**  
**Application:** The Waterproof Work of Constructions and Structures  
**Company:** Denka Construction Solutions Malaysia Sdn. Bhd  
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## 2. HAZARD IDENTIFICATION

#### A. Hazard Risk Classification

Not available

B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement  
H312 Harmful if contact with skin  
H315 Cause skin irritation.
- Precautionary Statement (Prevention)  
P210 Keep away from ignition sources such as heat/sparks/open flame. –no smoking  
P264 Wash hand thoroughly after handling.  
P270 Do not eat, drink, or smoke when using this product  
P280 Wear protective gloves, clothing eye and face protection from competent authority.  
P322 Specific measures: refer to first aid instruction  
P302 + P352 If on skin: wash with plenty of soap and water  
P301 + P312 + P330 if swallowed: Rinse mouth. Call a Poison Centre or doctor/physician  
P332 + P313 + P362 if skin irritation occurs: Take off contaminated clothing and wash before reuse  
Get medical advice/attention  
P337 + P313 If eye irritations persists: get the medical advice / attention  
P403 + P233 Store in well-ventilated place. Keep container tightly closed  
P405 store lock up  
P501 Dispose of content/container in accordance to local/national regulations

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS Number	Percentage, %
Asphalt	8052-42-4	55 ~ 72
Calcium Carbonate	471-34-1	11 ~ 20
SBS Rubber	9003-55-88	7 ~ 10
Mineral Oil	8012-95-1	1 ~ 5
Polyethylene Mat	CAS no: 9002-88-4	0 ~ 1

### 4. FIRST AID MEASURES

Eyes:	Flush with copious quantities of water. When the symptom is continuing, be sure to see a doctor for medical treatment.
Skin:	Rinse with cool water.
Inhalation:	Move affected person to the fresh air. In case of need, conduct artificial respiration. Treat symptomatically. In case of need, receive the medical treatment immediately.
Ingestion:	Do not induce vomiting, Treat symptomatically. In case of need, receive the medical treatment immediately.

### 5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Dry chemicals, foam, and carbon dioxide.
Firefighting Instructions:	Remove the vessel exposed to fire as soon as possible. Do not inhale vapour and dust and stand against the blowing wind.
Special Protective Equipment:	Be sure to wear personal respiratory protection equipment.
Hazardous Substance at Combustion:	When burning, it can generate oxidant smoke, pungent fog, carbon dioxide.

### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear the personal respiratory protection equipment and the protection cloths. Isolate the danger area and prohibit entering. Do not contact with effluent.
Environmental Precautions:	Do not throw away to a river or waterway. In case that a river or water is polluted, be sure to contact with related companies and environmental agencies immediately.
Decontamination Procedures:	Store the products in proper disposal places and remove the products after cleaning by cleaning outfits and machines.

### 7. HANDLING AND STORAGE

Handling:	There is no problem in general construction. But be sure to wear the proper protection equipment when exposed for a long time.
Storage:	Stand and store the products on flat and solid floors in dry and well ventilated places far from sun and rain exposure.

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## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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Engineering Control Measures:	Do not need special ventilation system in general working environments, but use in well ventilated places.
Personal Protective Equipment:	
Eye Protection	In order to protect the eyes, wear the proper protective equipment and glasses
Emergency Eye-washing	If it is possible that the eye of workers is exposed to this material, the company have to install the eye-washing facilities for emergency situations nearby workplace.
Protective clothes	The worker have to wear the proper protective clothes (impervious) and equipment to avoid the contact of skin from those materials in the repetitive and long term.
Protective Gloves	The workers have to wear the proper protective gloves (leather or cotton gloves) to avoid the contact from this material.
Respiratory Organ Protection	None required unless used with hot asphalt. Use breathing apparatus when PEL/TLV is exceeded.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical State	Solid
Colour	Black
Odour	Mild/Asphalt/ Petroleum odour
pH (concentration)	Not available
Flash Point (°C)	>221
Boiling Point (°C)	> 343
Melting point (°C)	>104
Vapour Pressure	Not available
Specific Gravity	1.02 ~ 1.30
Water Solubility	Below 0.1%
Saturation in air	Not available
Solids Content	Not available
Viscosity	Not available

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## 10. STABILITY AND REACTIVITY

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Stability:	It is stable when the warning of handling and storage is observed.
Condition to avoid:	Strong oxidizing agents at elevated temperatures and uncontrolled fumes. Direct rays of light for a long time.
Material to avoid:	Keep away from oxidizing agents and strong alkaline and strongly acidic materials to prevent the possibility of exothermic reaction.
Hazardous Decomposition Product:	Can include corrosive calcium oxide and poisonous carbon oxide.
Polymerization:	The material is stable .Polymerization will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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### Health Effects

Eye contact	Splashes in the eyes may cause irritation, tear and redness may occur.
Skin contact	Repeated or prolonged contact with the product may lead to removal of natural fats from the skin resulting in non-allergic contact dermatitis and absorption through skin
By inhalation	Exposure may result in chronic health effects such as headache, nausea, coughing and irritation of the respiratory system.
Ingestion	Not intended to be ingested.

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## 12. ECOLOGICAL INFORMATION

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Environmental Impact Index (0~4):	Not Available
Acute Aquatic Toxicity:	Not Available
Resolvability:	Not Available
Persistence:	Remaining in the form of the membrane.

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## 13. DISPOSAL CONSIDERATIONS

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Disposal must be in accordance with local and national legislation.

Dispose waste and empty vessels according to the waste standards of environmental laws.

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## 14. TRANSPORT INFORMATION

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

- Classification and regulation by the dangerous good's ship transport and storage rules in the Vessel Safety Law : Not applicable
- Instruction at transport
- Goods must be transported according to the regulations of government and local self-government.
- Classification and regulations by other foreign transport-related rules : Not applicable

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## 15. REGULATORY INFORMATION

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### Korea

- Regulation by Industrial Safety and Health Act : Not applicable
- The Hazardous Chemicals Management Law : Not applicable
- The Five Service Act : Not applicable

Regulation by other foreign laws: Not applicable

## 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**            **Estoproof 200**  
**Date Issued**    **01/10/2025**  
**Revision**        **04**



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