

## 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  
 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

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.

## 8. EXPOSURE CONTROL / PERSONAL PROTECTION

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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

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

## 10. STABILITY AND REACTIVITY

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.

## 11. TOXICOLOGICAL INFORMATION

### 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 results in chronic health effects such as headache, nausea, coughing and irritation of the respiratory system.
Ingestion	Not intended to be ingested.

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

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

## 14. TRANSPORT INFORMATION

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

## 15. REGULATORY INFORMATION

### 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.

<b>SDS</b>	<b>Estoproof 200</b>
<b>Date Issued</b>	<b>01/10/2025</b>
<b>Revision</b>	<b>04</b>



**Denka Construction Solutions Malaysia Sdn Bhd**  
(591858-U)

No. 18, Jalan Utas 15/7, Seksyen 15,  
40200 Shah Alam, Selangor Darul Ehsan, Malaysia  
Tel: +603 5510 8810 Fax: +603 5518 8202  
[www.denka-cs.com](http://www.denka-cs.com)

## Limitation of Liability

*The information contained in this brochure provides general advice for potential customers for DENKA about the basic properties and characteristics of various DENKA products (hereafter known as "the Product Information"). DENKA makes no warranty or representation as to the entire accuracy or completeness of the Product Information in the brochure. Nothing in this brochure will be deemed to create any express or implied warranty of merchantability, fitness for a particular purpose or infringement of any intellectual property rights. Each user of the Product Information and DENKA products assumes their own responsibility to properly determine the manner and suitability of use of the Product Information and DENKA products in its own operations. The user should exercise proper care in considering the Material Safety Data Sheet, Product Information and any other technical information provided by DENKA including descriptions of the conditions of use, warnings and other cautionary instructions. DENKA reserves the right to change the Product Information from time to time at its discretion and without notice.*