

SAFETY DATA SHEET

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

Product Name	ESTOCELL
Application	Bitumen Impregnated Fiber Board
Company	Denka Construction Solution Malaysia Sdn Bhd Address No.18, Jalan Utas 15/7, Seksyen 15, 40200 Shah Alam, Selangor, Malaysia
Telephone	03 - 55108810 Fax : 03 - 55100708

2. HAZARDS IDENTIFICATION

GHS Classification	Not Classified
Symbol	No Symbol
Signal Word	No signal word
Hazard Statement	Not applicable
Precautionary Statement	Not applicable

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Cas Number	Percentage, %
Wood	None	62 – 87
Aluminium Sulphate	7784-31-8	0 – 1
Water	7732-18-5	4 – 9
Bitumen	9072-35-9	10 – 35

4. FIRST AID MEASURES

Eyes:	Flush eyes with water for at least 15 minutes holding eyelids open. If fiber particles are not dislodged with this method, see physician.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.
Inhalation:	Not applicable
Ingestion:	Unlikely to occur

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Use extinguisher measures and media that are appropriate to the local circumstances and the surrounding environment. Use water spray to cool fire exposed surfaces and to protect personnel. Use foam or dry chemical to extinguish fire.
Special Exposure Hazards:	Toxic gases will form upon combustion.
Special Protective Equipment:	Self-contained breathing apparatus should be worn by fire fighters for all indoor and outdoor fires.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	None.
Environmental Precautions:	Prevent entry into drain, sewers and water courses.
Decontamination Procedures:	The board can be burned. Current environmental legislation must be followed.

7. HANDLING AND STORAGE

Handling	No special precautions. Practice good personal hygiene when working with asphalt impregnated fiber board. Wash hands thoroughly after handling.
Storage	Boards should be stored dry. Pallets should be stored flat.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:	No data available
Engineering Control Measures:	No specific ventilation requirement noted.
Personal Protective Equipment:	Safety glasses with side shields If workmen are cutting fiber in the field, they should wear a dust wear mask to prevent inhalation of the airborne fiber. Wear gloves. Wear adequate protective clothes. Safety boots per local regulation.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid
Odour	Slight
pH (concentrate)	Not applicable
Boiling Point / Range (°C)	Not applicable
Melting Point / Range (°C)	Not applicable
Flash Point (closed °C)	None
Auto flammability	Not applicable
Explosive Properties (%)	Not applicable
Oxidizing properties	Not applicable
Water Solubility	Insoluble

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	None known.
Materials to Avoid:	Strong oxidizing agents, sources of ignition and sources of heat.
Hazardous Decomposition Products:	None

11. TOXICOLOGICAL INFORMATION

Acute Oral Toxicity	No data available
Irritancy of Material	Not available
Carcinogenicity	This product is not listed by NTP, IACR or regulated as a carcinogen by OSHA
Teratogenicity	Not available
Mutagenicity	Not available
Reproductive Effects	Not available

12. ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed of as intended, no adverse environment effects are foreseen
Mobility:	Solid. Insoluble in water.
Persistence & Degradability:	Not known.
Bioaccumulated Potential:	Not expected to be bioaccumulative.
Ecotoxicity:	Not expected to be ecotoxic to fish / daphnia / algae.

13. DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.	
Unused Product:	Disposed of waste as normal garbage; no special precaution required
Used / Contaminated Product:	As for unused product.
Packaging:	The method of disposal must be acceptable to the local authority.

14. TRANSPORT INFORMATION

IATA-DGR	Not regulated for transport of dangerous goods
IMDG-Code	Not regulated for transport of dangerous goods
ADR/RID	Not regulated for transport of dangerous goods

15. REGULATORY INFORMATION

Hazard Label Data

This product is NOT classified as dangerous for supply.

Statutory Instruments: Chemicals (Hazard Information and Packaging) Regs 1993 (SI1746)

Environmental Protection (Duty of care) Regs. 1991 (SI 2839)

Codes of Practice: Waste Management. The Duty of Care.
Health & Safety Work, etc. Act 1974
Environmental Protection Act 1990
Control of Substances Directive, 67/ 548/EEC and adaptations.

Guidance Note Occupational exposure limit (EH40)

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 other than for the stated application or applications without seeking advice from Denka Construction Solutions Malaysia Sdn Bhd.

If this product has been purchased for supply to a third party for use at work, it is the purchaser's duty to take all necessary steps to ensure that any person handling or using the product is provided with the information on this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected of any hazards described in 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 legislations.

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