

SAFETY DATA SHEET

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

Product Name: **ESTOGARD EMB – Part A**
 Application: Epoxy Cement Screed
 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 Irrit. 2 : May causes skin irritation.
 Skin Sens. 1 : May cause sensitization by skin contact.
 Eye Irrit. 2 : Causes serious eye irritation.
 Aquatic Chronic effects. 2 : Toxic to aquatic life with long lasting

B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement

H315	Causes skin irritation
H319	Causes serious eye irritation
H317	May cause allergic skin reaction
H411	Toxic to aquatic life with long lasting effects.
- Precautionary Statement (Prevention)

P280	Wear protective gloves/ protective clothing / eye protection / face protection.
P313+P333	If skin irritation or rash occurs: Get medical advice attention.
P313+P337	If eye irritation persists: Get medical advice attention.
P273	Avoid release to the environment.

3. COMPOSITION / INFORMATION ON INGREDIENTS

CHEMICAL NAME	CAS NUMBER	%
WATER	7732-18-5	48%
POLYAMIDE ADDUCT	63428-84-2	50%
POLYETHER	26570-48-9	2%

4. FIRST AID MEASURES

4.1 Inhalation	Remove to fresh air. If breathing has stopped, institute artificial respiration. Seek medical advice if symptoms persist.
4.2 Skin Contact	Wash skin thoroughly with soap and water. Remove contaminated clothing. If symptoms persist, seek medical advice.
4.3 Eye Contact	Rinse eyes thoroughly with water for at least 15 minutes, and seek medical advice.
4.4 Ingestion	Do not induce vomiting. Dilute with water. Seek medical examination immediately.

5. FIRE FIGHTING MEASURES

5.1 Extinguishing Media	In case of fire, use water spray (fog) foam, dry chemical, or CO ₂
5.2 Fire Fighting Instruction	Fire fighters should wear self-contained breathing apparatus and full protective gear.
5.3 Self Ignition	Not self igniting
5.4 Flash Point	>140°C

6. ACCIDENTAL RELEASE MEASURES

6.1 Personal Precaution	Use personal protective equipment
6.2 Environmental Precaution	Do not allow to enter drains or waterways. Do not discharge into the subsoil / soil.
6.3 Methods for Cleaning Up	Take up with absorbent materials (e.g: sand, universal binder). Dispose of as hazardous waste.

7. HANDLING AND STORAGE

7.1 Handling	Ensure adequate ventilation at the workplace.
7.2 Storage	Avoid open flames and sources of ignition. Keep away from food and drink. Store in a cool dry area and keep container tightly sealed.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

8.1 Engineering Control	Use with adequate general and local exhaust ventilation
8.2 Hygiene Measure	Do not eat, drink, smoke or drug taking in work place. Wash hands before break or after work.
8.3 Respiratory Protection	General room ventilation is normal adequate
8.4 Hand Protection	Chemical resistance gloves /PVC gloves
8.5 Eye /face Protection	Safety goggles with side shields
8.6 Skin Protection	Light protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Odour	Characteristic mild
9.2 Chemical Type	Liquid
9.3 Flammability	Does not ignite
9.4 Boiling Point	No data available
9.5 Melting Point	No data available
9.6 Explosion hazard	Not explosive
9.7 Vapour Pressure (25°C)	Not applicable
9.8 Solubility (250C)	Insoluble in water
9.9 Relative Density	1.2 – 1.5

10. STABILITY AND REACTIVITY

10.1 Stability	Stable. Avoid static electricity discharge.
10.2 Hazardous Polymerization	Will not occur. Avoid strong acid, strong base and amines.
10.3 Hazardous reactions	In fire toxic fume may be generated.

11. TOXICOLOGICAL INFORMATION

Proper use provided, no adverse health effects have been observed or have been come to our knowledge. Eye contact may produce an oil film over the eyeball causing a harmless reversible short lasting dimness of sight.

12. ECOLOGICAL INFORMATION

12.1 Bioaccumulation	Not available
12.2 Fish Toxicity	Not available

13. DISPOSAL CONSIDERATIONS

13.1 Product	In accordance with local authority regulations, take to special waste incineration plant.
13.2 Contaminated Packaging	If empty contaminated containers are recycled or disposed of, the receiver must inform about possible hazards.

14. TRANSPORT INFORMATION

14.1 ARD/RID Shipping Data	Not regulated (Not dangerous for transport)
14.2 IMO Shipping Data	Keep from freezing (Not dangerous for transport)
14.3 ICAO/IATA Shipping Data	Keep from freezing (Not dangerous for transport)

15. REGULATORY INFORMATION

Hazard Label Data

15.1 Hazard Labels	Xi Irritant
15.2 R43	May cause sensation by skin contact
15.3 R36/38	Irritating to eyes and skin
15.4 S24	Avoid contact with skin
15.5 S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
15.6 S28	In case of contact with skin, wash immediately with plenty of water and soap.

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.

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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

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