

SAFETY DATA SHEET

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

Product Name: **ESTOGARD HS500**
Application: Pigmented Solvent Based Floor & Wall Coating
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. HAZARD IDENTIFICATION

A. Hazard Risk Classification

- Health Hazard
 - Skin corrosion / irritation : Category 1
 - Serious eye damage / eye irritation : Category 2A
 - Skin sensitization : Category 1A

B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement
 - H302 Harmful if swallowed
 - H315 Causes skin irritation
 - H320 Causes eye irritation
- Precautionary Statement (Prevention)
 - P262 Do not get in eyes, on skin, or on clothing.
 - P264 Wash hands thoroughly after handling
 - P272 Contaminated work clothing should not be allowed out of the workplace
 - P280 Wear protective gloves/protective clothing/eye protection/face protection

(Response)

P302 + P352 IF ON SKIN: Wash with plenty of soap and water.
 P333 + P313 If skin irritation or rash occurs: Get medical advice/attention
 P362+ P364 Take off contaminated clothing and wash it before reuse
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313 If eye irritation persists: Get medical advice/attention.

(Disposal)

P501 Dispose of contents / container in accordance with applicable local regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%
Epoxy Polyamine Adduct	N/A	30 – 40
Calcium Carbonate	1317-65-3	5 – 10
Talc Powder	14807-96-6	15 – 30
Colour Pigment	N/A	30 – 40
Epoxy Resin	25068-38-6	60 – 75

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: Rinse eyes thoroughly with water for at least 15 minutes. Consult physician.
 Skin: Wash skin thoroughly with soap and water. Remove contaminated clothing. If symptoms persist consult physician.
 Inhalation: Remove to fresh air. If breathing has stopped, institute artificial respiration. Consult with physician.
 Ingestion: Do not induce vomiting. Dilute with water. Consult physician.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water spray (fog) foam, carbon dioxide, and any dry chemicals.
 Special Protective Equipment: Fire fighter should wear self-contained breathing apparatus and full protective gear
 Flash Point: Not applicable
 Auto Ignition: Not available

6. ACCIDENTAL RELEASE MEASURES

Personnel Precaution:	Use personal protective equipment
Environmental Precaution:	Do not allow to enter drains or waterways. Do not discharge into the subsoil / soil.
Method for cleaning up:	Take up with absorbent material (e.g: sand, universal binder)

7. HANDLING AND STORAGE

Handling:	Ensure adequate ventilation
Storage:	Keep away from source of ignition. Store in a cool dry area.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering Control:	Use with adequate general and local exhaust ventilation
Hygiene Measure:	Do not eat, drink, smoke or drug taking in work place. Wash hands before break or after work.
Respiratory protection:	General room ventilation is normal adequate.
Hand protection:	Chemical resistance gloves / PVC gloves.
Eye Protection:	Safety goggles with side shields.
Body Protection:	Protective clothing

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Odour	Typical
Chemical Type	Mixture
pH (25 °C)	Approx. 8.5 – 10.5
Flash Point (°C)	93
Boiling Point / Range (F)	238 – 284
Vapour Density	Heavier than air
Volatile (by Volume), %	35
Volatile (by Weight), %	19
Solubility	Insoluble in water
Viscosity (25 °C), cps	7.0 – 15.0

10. STABILITY AND REACTIVITY

Stability:	Stable
Hazardous Polymerization:	Will not occur
Incompatible Material:	None known
Hazardous Decomposition Product:	Carbon dioxide and sulfur oxide (SO _x)

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 fil over the eyeball causing a harmless reversible short-lasting dimness of sight.

12. ECOLOGICAL INFORMATION

Biodegradability:	BOD 1.5%, TOD 8.5%
Ecotoxicity and bioaccumulation:	Not available
Fish Toxicity:	Not available

13. DISPOSAL CONSIDERATIONS

Disposal method should be in accordance with all applicable national environmental laws and regulation

14. TRANSPORT INFORMATION

UN Number	Not applicable
ARD/RID	Not regulated (Not dangerous for transport)
IMO	Keep from freezing (Not dangerous for transport)
ICAO/IATA	Keep from freezing (Not dangerous for transport)

15. REGULATORY INFORMATION

Hazard Labels:	Irritant
Hazard Description:	Irritant
R43:	May cause sensation by skin contact
S24:	Avoid contact with skin

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 Solution 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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