

SAFETY DATA SHEET

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

Product Name: **ESTOGARD SP30**
Application: Hardening and Dustproofing Compound for Concrete Surfaces
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 Corrosion : Category 1A
Eye Damage : Category 1

B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement
H302 May be harmful if swallowed.
H315 Cause skin irritation.
H320 Causes eye irritation.
H335 May cause respiratory irritation.
- Precautionary Statement (Prevention)
P260 Do not breathe dust/fume/gas/mist/vapour/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
- Response
P303+P361+P353 IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing.
Rinse skin with water/shower.
P370+P378 In case of fire: Use appropriate media for extinction.
P301+P310 IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
P331 Do NOT induce vomiting.
- Storage
P403+P235 Store in a well-ventilated place. Keep cool.
P405 Store locked up.

- Disposal
P501

Dispose of contents and container to appropriate waste site or reclaimer accordance with local and national regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Composition	CAS Number	%
Water	7732-18-5	60 – 70
Sodium Silicate	1344-09-8	30 – 40

4. FIRST AID MEASURES

Eyes:	Flush eye with copious quantities of water. If persistent irritation occurs, obtain medical attention.
Skin:	Remove contaminated clothing. Flush exposed area with water and follow by washing with soap if available.
Inhalation	Remove to fresh air. If rapid recovery does not occur, transport to nearest medical facility for additional treatment.
Ingestion	If swallowed, do not induce vomiting. Seek medical attention immediately.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth.
Unsuitable Extinguishing Media	Do not use water in a jet.
Special Exposure Hazards	Not applicable.
Special Protective Equipment	Wear protective clothing and self-contained breathing apparatus

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Wear suitable protective clothing, gloves and eye / face protection.
Environmental Precautions:	Prevent entry protective drain, sewers and water courses.
Decontamination Procedures:	Absorb with dry earth, sand or non-combustible material. Prevent entry into sewer or confined space.

7. HANDLING AND STORAGE

Handling:	Avoid contact with skin, eyes, and clothing. Handle with care.
Storage:	Store in a cool dry place.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits:-	Not applicable
Engineering Control Measures:	Not applicable
Individual Protection Measures:	Personal protective equipment (PPE) should meet recommended national standards.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Clear
Odour	Odorless
pH (concentration)	11.0
Boiling Point / Range (°C)	100
Melting point / Range (°C)	Not available
Flash Point (closed °C)	Not available
Explosive Properties (%)	Not determined
Oxidising Properties	Not determined
Relative Density (at 20 °C)	1.10 ± 0.05
Water Solubility	Soluble

10. STABILITY AND REACTIVITY

Chemical stability:	Stable under normal conditions of use.
Conditions to Avoid:	Not applicable
Incompatible materials:	Acid and oxidizing agent
Hazardous Decomposition Products:	Not applicable
Hazardous polymerization:	Does not occur

11. TOXICOLOGICAL INFORMATION

Information on Toxicological effects

Toxicity data:	No information.
Carcinogenicity:	No information.
Reproductive effect:	No specific data.
Chronic effects of overexposure:	No specific information available
Target organ:	No data

12. ECOLOGICAL INFORMATION

Mobility:	Not applicable
Biodegradability:	Not applicable
Bio accumulative potential:	Not applicable
Aquatic toxic:	Not applicable

13. DISPOSAL CONSIDERATIONS

Local Legislation:	Disposal should be in accordance with applicable regional, national, and local laws and regulations. Local regulations may be more stringent than regional or national requirements and must be complied with.
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14. TRANSPORT INFORMATION

UNRTDG	Not classified as dangerous for transport.
IATA – DGR	Not classified as dangerous for transport.
IMDG – Code	Not classified as dangerous for transport.

15. REGULATORY INFORMATION

Proposed classification:	Irritant
Risk phrase:	Irritating to skin
Safety phrase:	Risk of serious damage to eyes Wear PPE like wear eye/face protection

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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