

SAFETY DATA SHEET

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

Product Name : ESTOKOTE FLEXI - LIQUID
 Application : Liquid component of cementitious waterproofing membrane system
 Company : **Denka Construction Solutions Malaysia Sdn Bhd**
 Address : No.18, Jalan Utas 15/7, Seksyen 15, 40200 Shah Alam, Selangor, Malaysia
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2. HAZARDS IDENTIFICATION

A. Hazard Risk Classification

This material is irritating to eyes, skin and respiratory system.

Skin Sensitization: Category 1

B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement
H317 May cause an allergic skin reaction.
- Precautionary Statement (Prevention)

P261	Avoid breathing dust/fume/gas/mist/vapour spray
P272	Contaminated work clothing should not be allowed out of workplace.
P280	Wear protective gloves, clothing eye and face protection from competent authority.
P333 + P311	If skin irritation or rash occurs: call a POISON Center or doctor/physician.
P303 + P352	IF ON SKIN (or hair): Wash with plenty of soap and water.
P362 + P364	Take off contaminated clothing and wash it before reuse.
P501	Dispose of content/container in accordance to local/national regulations

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	CAS No.	%
Water	7732-18-5	10 – 15
Acrylic emulsion	55965-84-9	80 – 90
Defoamer	872-50-4	1 – 5

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	Irrigate immediately with copious quantities of water for several minutes. Obtain medical attention if irritation persists.
Skin	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible
Inhalation	Remove from exposure - unlikely to occur.
Ingestion	Wash out mouth with water. Obtain medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media	Carbon dioxide, powder, foam or water fog - Do not use water jets.
Special Exposure Hazards	Material can splatter above 100°C. Polymer film can burn. Irritant fumes. Special Protective Equipment
	Self-contained breathing apparatus.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Wear suitable protective clothing, gloves and eye / face protection.
Environmental Precautions	Prevent entry into drain, sewers and water courses.
Decontamination Procedures	Soak up with inert absorbent or contain and remove by best available means. Gather into containers.

7. HANDLING AND STORAGE

Handling	Avoid skin and eye contact
Storage	Store in cool, dry areas. Protect from frost.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits	None assigned
Engineering Control Measures	No specific ventilation requirement noted.
Personal Protective Equipment	Avoid skin and eye contact. Impervious gloves (e.g nitrile or neoprene). Wear goggles when mist occurs during spraying operations, wear suitable respiratory protective equipment.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Odour	White Milky
pH	Slight
Boiling Point/ Range, °C	7 – 8.5
Autoflammability, °C	100
Explosive Properties	Not applicable
Vapour Pressure	Not applicable
Relative Density	Not determine
Solubility	Soluble

10. STABILITY AND REACTIVITY

Stability	Stable
Conditions to avoid	Temperature (°C) below 2
Materials to Avoid	None known
Hazardous Decomposition Products	Thermal decomposition may yield acrylic monomers.

11. TOXYCOLOGICAL INFORMATION

The following toxicological assessment is based on a knowledge of the toxicity of the product's components:
Oral LD50, rat > 5000 mg/kg
Dermal LD50, rat / rabbit > 5000 mg/kg

Health Effects

On Eyes	May cause transient irritation
On Skin	Unlikely to irritate on brief or occasional exposure
By Inhalation	Low volatility makes inhalation unlikely at ambient temperature
By Ingestion	Low order of acute toxicity. May cause irritation of mouth, throat and digestive tract.

12. ECOLOGICAL INFORMATION

Environmental Assessment :	When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility :	Mobile liquid. Emulsifiable in water.
Persistence and Degradability :	Inherently biodegradable.
Bioaccumulative 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 :	Dispose of in approved manner. Do not empty into drains, sewers or water courses.
Used / Contaminated Product :	As for Unused product.
Packaging :	May be steam cleaned and recycled.

14. TRANSPORT INFORMATION

IATA-DGR	Not dangerous goods
IMDG-Code	Not dangerous goods

15. REGULATORY INFORMATION

Hazard Label Data

This product is NOT classified as dangerous for supply.

Safety Phrases : Avoid contact with skin and eyes.
 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

EC Directives : Dangerous Substances Directive, 67/54/EEC and adaptations.
 Dangerous preparations Directive, 88/379/EEC.
 Safety Data Sheet directive, 91/155/EEC.

Statutory Instruments :Chemical (Hazard Information and Packaging)Regs1993 (SI1746)
 Control of Substances Hazardous to Health Regs, 1988 (SI 1657).
 Environmental Protection (Duty of Care) Regs, 1991 (SI 2839).

Codes Practice : Waste Management. The Duty of
Care. The above publications are available from HMSO.

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 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 the 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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