

SAFETY DATA SHEET

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

Product Name : **ESTOCURE P**
Application : Concrete curing compound
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

- Health Hazard
Acute toxicity:
Dermal: Category 5
Skin corrosion / irritation: Category 2
Serious eye damage / eye irritation: Category 2A
Skin sensitization: Category 1

B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement
H313 Maybe harmful in contact with skin
H315 Causes skin irritation
H317 May cause an allergic skin reaction
H319 Causes serious 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.
 P312 Call a POISON CENTER or doctor/physician if you feel unwell

(Disposal)

P501 Dispose of contents / container in accordance with applicable law

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient(s)	Cas Number	%
Polyvinyl Acetate Emulsion	9003-20-7	10-20
Water	7732-18-5	80-90

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. If persistent irritation occurs, obtain medical attention immediately.
Skin:	Wash thoroughly with soap and water or suitable skin cleanser as soon as possible.
Inhalation:	Remove to fresh air, rest and keep warm and obtain medical attention urgently.
Ingestion:	Obtain medical attention urgently. Do NOT induce vomiting. Beware of aspiration if vomiting occurs.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media:	Carbon dioxide, powder, foam or water fog - Do not use water jets
Special Exposure Hazards:	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. Dispose of as waste. Residue may be flushed to drain with large volumes of water. Prior consent must be obtained from the local Water Company if discharged to sewer

7. HANDLING AND STORAGE

Handling	Use only in well ventilated areas. Avoid breathing spray mist. Avoid skin and eye contact.
Storage	Store in cool, dry place. Protect from frost.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits :	None assigned
Engineering Control Measures	Use only in well ventilation areas.
Personal Protective Equipment	When mist occurs during spraying operations, wear suitable respiratory protective equipment. Impervious gloves (eg PVC).Goggles. Safety glasses / goggles.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	White
Odour	Slight/faint
pH (concentrate)	7.0-7.5
Boiling Point / Range (°C)	100
Autoflammability (°C)	Not applicable
Flash Point (closed °C)	None
Explosive Properties, %	Not applicable
Oxidising Properties	Not applicable
Vapour Pressure (kPa @ 20°C)	2.3 (water)
Relative Density (at 20°C)	0.98
Water Solubility	Partially soluble

10. STABILITY AND REACTIVITY

Stability:	Stable
Conditions to avoid:	Temperatures (°C) below 5
Materials to avoid:	None known
Hazardous Decomposition Products:	Thermal decomposition :- Oxides of carbon.

11. TOXICOLOGICAL INFORMATION

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

Health Effects

On eyes:	May cause transient irritation
On skin:	Unlikely to irritate on brief or occasional exposure.
By Inhalation:	Mist and vapors may cause irritation to nose and respiratory tract.
By Ingestion:	May cause nausea, vomiting and diarrhoea.
Chronic:	Low order of acute toxicity
	Repeated and prolonged skin contact may lead to skin disorders.

12. ECOLOGICAL INFORMATION

Environmental Assessment:	When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility:	Mobile liquid. Partially soluble in water
Persistence & Degradability:	Not known.
Bio accumulated Potential:	Not known.
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 through an authorized waste contractor to a licensed site. 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

This product is NOT classified as dangerous for transport.

15: REGULATORY INFORMATION

Hazard Label Data:-

This product is NOT classified as dangerous for supply.

Safety Phrases:	Avoid in contact with skin and eyes. Wear suitable gloves and eye/face protection. Use only in well ventilated areas.
EC Directives:	Dangerous Preparations Directive, 88/379/EEC. Safety Data Sheets Directive, 91/155/EEC. Dangerous Substances Directive, 67/548/EEC and adaptations.

Statutory Instruments:	Health & Safety at Work, etc. Act 1974. Chemicals (Hazard Information and Packaging for Supply) (Amendment) Regs. 1996 (SI 1092). Control of Substances Hazardous to Health Regs. 1994 (SI 3246). Environmental Protection Act 1990.
Codes of Practice:	Waste Management. The Duty of Care.
Guidance Notes:	Occupational exposure limits (EH 40).

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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