

SAFETY DATA SHEET

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

Product Name: **Estopper Hydrophilic**
Application: Swellable Waterstop
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. HAZARD IDENTIFICATION

Classification of the substance or mixture

Classification

Physical hazards Not Classified
Health hazards Not Classified
Environmental hazards Not Classified
Human health See Section 11 for additional information on health hazards.
Environmental The product is not expected to be hazardous to the environment.

Label elements

Hazard statements NC Not Classified
Other hazards No significant hazard.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Mixtures

Composition comments No classified ingredients, or those having occupational exposure limits, present above the levels of disclosure.

4. FIRST AID MEASURES

General advice Consult a physician. Show this safety data sheet to the doctor in attendance.
If inhaled If breathed in, move person into fresh air. If not breathing, give artificial respiration.
In case of skin contact Wash off the soap and plenty of water.
In case of eye contact Wash out immediately with fresh running water.
If swallowed Never give anything by mouth to an unconscious person. Give water to rinse out mouth

5. FIRE FIGHTING MEASURES

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| Extinguishing media | |
| Suitable extinguishing media | Extinguish with foam, carbon dioxide, dry powder or water fog. |
| Unsuitable extinguishing media | Do not use water jet as an extinguisher, as this will spread the fire. |
| Media | |
| Special hazards arising from the substance or mixture | |
| Specific hazards | None known. |
| Hazardous combustion products | Does not decompose when used and stored as recommended. Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO ₂). Hydrogen chloride (HCl). |
| Advice for firefighters | No specific firefighting precautions known |
| Protective actions during firefighting | |
| Special protective equipment for firefighters | Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. |

6. ACCIDENTAL RELEASE MEASURES

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| Personal precautions, protective equipment and emergency procedures | |
| Personal precautions | For personal protection, see Section 8. |
| Environmental precautions | |
| Environmental precautions | Avoid the spillage or runoff entering drains, sewers or watercourses. |
| Methods and material for containment and cleaning up | |
| Methods for cleaning up | Pick up mechanically. |
| Reference to other sections | |
| Reference to other sections | For waste disposal, see section 13. |

7. HANDLING AND STORAGE

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| Precautions for safe handling | |
| Usage precautions | Read and follow manufacturer's recommendations. No specific recommendations. Good personal hygiene procedures should be implemented. Wash hands and any other contaminated areas of the body with soap and water before leaving the work site. |
| Conditions for safe storage, including any incompatibilities | |
| Storage precautions | Keep container dry. Store away from sources of ignition. Do not store at temperatures above 35° C |
| Storage class | Unspecified storage. |

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Control parameters

Ingredient comments

No exposure limits known for ingredient(s).

Exposure controls

Protective equipment



Appropriate engineering controls

Provide adequate ventilation.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

Hand protection

Gloves are recommended for prolonged use. It is recommended that gloves are made of the following material: Polyvinyl chloride (PVC). Rubber (natural, latex).

Other skin and body protection

Wear appropriate clothing to prevent any possibility of skin contact. Wear protective gloves

Hygiene measures

Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. When using do not eat, drink or smoke.

Respiratory protection

No specific recommendations. Protection against nuisance dust must be used when the airborne concentration exceeds 10 mg/m³.

9. PHYSICAL AND CHEMICAL PROPERTIES

Information on basic physical and chemical properties

Appearance

Solid

Colour

Black

Odour

Odourless.

Melting point

softens ~ 130° C

Initial boiling point and range

Not applicable.

Flash point

Not applicable.

Relative density

1.07 @ 20° C

Solubility(ies)

Insoluble in water. Swellable

Decomposition Temperature

Decomposition will start at about 130° C where it will take several days. At 200° C it will increase rapidly, taking only a few minutes.

Explosive properties

Not considered to be explosive.

Explosive under the influence of a flame

Not considered to be explosive.

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| Oxidising properties | Does not meet the criteria for classification as oxidising. |
| Other information | |
| Other information | Not available. |

10. STABILITY AND REACTIVITY

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| Reactivity | There are no known reactivity hazards associated with this product. |
| Chemical stability | Stable when stored in a dry place. Will decompose at temperatures exceeding 200° C. |
| Possibility of hazardous reaction | Will not polymerise. |
| Conditions to avoid | Not relevant. |
| Materials to avoid | Strong acids. Strong alkalis. |
| Hazardous decomposition products | Thermal decomposition or combustion products may include the following substances Carbon monoxide (CO). Carbon dioxide (CO ₂). Chlorine compounds including hydrogen chloride. |

11. TOXICOLOGICAL INFORMATION

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| Information on toxicological effects | |
| Toxicological effects | Not regarded as a health or environmental hazard under current legislation. |
| General information | No specific health hazards known. |
| Inhalation | No significant hazard at normal ambient temperatures. Heating may generate the following products: Toxic gases or vapours. |
| Ingestion | Low order of acute toxicity. |
| Skin contact | Unlikely to irritate on brief or occasional exposure. Repeated or prolonged contact with abraded or damaged skin may cause allergic skin reaction in susceptible people. |
| Eye contact | May cause temporary eye irritation. |
| Acute and chronic health hazards | No specific health hazards known. |
| Target organs | Not relevant. |
| Medical symptoms | No specific symptoms noted, but this chemical may still have adverse health impact, either in general or on certain individuals. |

12. ECOLOGICAL INFORMATION

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| Ecotoxicity | The product is not expected to be hazardous to the environment. |
| Toxicity | Not considered toxic to fish. |
| Persistence and degradability | The product is not readily biodegradable. |
| Phototransformation | Not relevant. |
| Biodegradation | Not relevant. |
| Bioaccumulative potential | Not expected to be bioaccumulative |
| Mobility in soil | The product is insoluble in water. |
| Results of PBT and vPvB assessment | This product does not contain any substances classified as PBT or vPvB. |
| Other adverse effects | Not applicable. |

13. DISPOSAL CONSIDERATIONS

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| General information | Disposal must be in accordance with local and national legislation. |
| Disposal methods | No specific disposal method required. |

14. TRANSPORT INFORMATION

General The product is not covered by international regulations on the transport of dangerous goods (IMDG, IATA, ADR/RID).

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| UN number | Not applicable. |
| UN proper shipping name | Not applicable. |
| Transport hazard class(es) | No transport warning sign required. |
| Packing group | Not applicable. |
| Environmentally hazardous substance/marine pollutant | No. |
| Special precautions for user | Not applicable. |
| Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code | Not applicable. |

15. REGULATORY INFORMATION

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| National regulations | The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). |
| EU legislation | Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures (as amended). Commission Regulation (EU) No 453/2010 of 20 May 2010. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (as amended). |
| Guidance | Workplace Exposure Limits EH40. CHIP for everyone HSG228. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. |
| Authorisations (Title VII Regulation 1907/2006) | No specific authorisations are known for this product. |
| Restrictions (Title VIII Regulation 1907/2006) | No specific restrictions on use are known for this product |
| Chemical safety assessment | No chemical safety assessment has been carried out. |

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.

SDS **Estopper Hydrophilic**
Date Issued **29/09/2025**
Revision **04**



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