

SAFETY DATA SHEET

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

Product Name: **Estopper Hydrowell S47**
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.
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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

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.
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

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

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.

Oxidising properties Does not meet the criteria for classification as oxidising.

Other information
Other information Not available.

10. STABILITY AND REACTIVITY

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 (CO₂). Chlorine compounds including hydrogen chloride.

11. TOXICOLOGICAL INFORMATION

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

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

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).

UN number	Not applicable.
UN proper shipping name	Not applicable.
Transport hazard class(es) Packing group	No transport warning sign required. 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

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.

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