

SAFETY DATA SHEET

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

Product Name: **ESTOTECT ZINCRICH - RESIN**
Application: High Solids Zinc Modified Epoxy Coating Resin
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 irritation: Category 1

Skin sensitization: Category 1

Serious eye damage/eye irritation: Category 2

Hazardous to aquatic environment-acute hazard: Category 1

Specific target organ toxicity-single exposure: Category 2 (respiratory system)

B. Label elements including precaution statements.

- Symbol:



- Signal word: Warning
- Hazard Risk Statement
 - H315 Causes skin irritation.
 - H317 May cause an allergic skin reaction.
 - H319 Causes serious eye irritation.
 - H335 May cause respiratory irritation.
 - H411 Toxic to aquatic life with long lasting effects
- Precautionary Statement (Prevention)
 - P233 Keep container tightly closed
 - P264 Wash hand thoroughly after handling
 - P273 Avoid release to environment
 - P280 Wear protective gloves, clothing, eye and face protection from competent authority
 - P312 Call a POISON CENTRE or doctor/physician if you feel unwell
 - P363 Wash contaminated clothing before reuse
 - P302 + 352 If on skin: Wash with plenty of soap and water
 - P304 + 340 If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P332 + 313 + 362	If skin irritation occurs: Take off contaminated clothing and wash before reuse. Get medical advice/attention.
P305 + 351 + 338	If in eyes: Remove contact lenses, if present and easy to do, rinse cautiously with water for several minutes.
P303 + 361 + 353	If on skin (on hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower
P337 + 313	If eye irritation persists: Get medical advice/attention
P403 + 233	Store in a well-ventilated place. Keep container tightly closed
P405	Store lock up
P501	Dispose of content/container in accordance to local/national regulation

3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients	Cas No	Wt, %
Bisphenol A Diglycidyl Ether Resin	25068-38-6	30-40
Trizinc bis (orthophosphate)	7779-90-0	1-15
Filler	14807-96-6	25-35
Phenylcarbinol	100-51-6	1-10

4. FIRST AID MEASURES

Eyes	: Flush eyes with plenty of water. If irritation persists, seek medical attention.
Skin	: Clean with a proprietary cleanser and wash with soap and water; do not use solvents. Remove contaminated clothing and clean before re-use. If symptoms occur, seek medical attention.
Inhalation	: Remove victim to fresh air. Keep warm and at rest. If recovery is not rapid, seek immediate medical attention.
Ingestion	: If swallowed, do not induce vomiting. Rinse mouth with water. Seek prompt medical attention.

5. FIRE FIGHTING MEASURES

Fire Extinguishing Media	: Carbon Dioxide, dry powder or foam; do not use water except for cooling sealed containers. Carbon Dioxide CO2, dry sand, limestone powder.
Special Hazards	: May explode when heated or exposed to flames or sparks. Combustion may produce hazardous decomposition products.
Protective Equipment for firefighters	: Self-contained breathing apparatus is recommended.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	: Eliminate sources of ignition. Ensure adequate ventilation or use respiratory protection. Prevent skin and eye contact.
Environmental Precautions	: Prevent entry into drains, sewers, and water courses.
Decontamination Procedures	: Contain spillage with sand, earth or approved absorbent. Place in suitable container, using spark proof equipment and dispose in accordance with local regulations.

7. HANDLING AND STORAGE

Handling : Ensure storage vessels and transfer equipment are earthed. Naked flames and other sources of ignition must not be present. Handle in well-ventilated areas.

Storage : Suitable materials for storage are mild steel, stainless steel, and aluminium containers. Plastic and rubbers are not recommended, although some polyolefins can be used for small quantities. Drums should be stored at ambient temperature.

>> PACKAGING AND LABELLING

Classified as Schedule Poison (S6), UN. No. 1866, class 3 flammable liquid and hazardous substance (harmful), therefore, should be packed and labeled according to the relevant regulations.

Risk Phrases : R20 – Harmful by inhalation
Safety Phrases : S16 – Keep away from sources of ignition – NO SMOKING
S25 – Avoid contact with eyes
S29 – Do not empty into drains
S33 – Take precautionary measures against static discharges.

8. EXPOSURE CONTROL / PERSONAL PROTECTION

Respiratory protection : Normal working conditions should have adequate ventilation and vapour extraction. If excess vapour, use suitable fresh air respiratory equipment.

Hand protection : Wear PVC, nitrile or polyurethane gloves.

Skin Protection : Wear suitable protective clothing. Remove contaminated clothing.

Eye protection : Wear goggles or safety glasses with side protection.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Liquid
Colour	Greyish
Odour	Slight
pH (concentration)	Not applicable
Boiling Point / Range (°C)	Not available
Flash Point (°C)	> 125
% Volatiles (By Wt.)	< 1.0
Specific Gravity @25°C	1.50
Water Solubility	Not soluble
Viscosity @ 28°C (cps)	8,000-15,000

10. STABILITY AND REACTIVITY

Conditions to avoid : Exposure to high temperature or flames.

Materials to avoid : Strong oxidising agents.

Hazardous Decomposition : Burning will produce dense, acrid smoke containing carbon dioxide, carbon monoxide and other noxious fumes.

Chemical Stability : Stable

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 user's own assessment of workplace risk, as required by other health and safety legislation.

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Denka Construction Solutions Malaysia Sdn Bhd
(591858-U)
No. 18, Jalan Utas 15/7, Seksyen 15,
40200 Shah Alam, Selangor Darul Ehsan, Malaysia
Tel: +603 5510 8810 Fax: +603 5518 8202
www.denka-cs.com

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