Material Safety Data Sheet
ThinTech ID/UW Coating – Part B
Revised 09/2026

ThinTech Coatings
ADVANCED COATING TECHNOLOGY

THINTECH COATINGS

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Epoxy Hardener (Curing Component)

Version Date: 09/2026 | Supersedes: ThinTech Coatings-branded predecessor formulation SDS

1. IDENTIFICATION

Product Name	ThinTech ID/UW Coating – Part B
Product Type	Epoxy Hardener (Curing Component)
Recommended Use	Two-component underwater and wet-surface-tolerant epoxy protective coating
Supplier	ThinTech Coatings
Website	thintechcoatings.com
Phone	+84 388743584
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2. HAZARDS IDENTIFICATION

GHS Classification

Hazard Class	Category
Acute toxicity (oral)	Category 4
Acute toxicity (inhalation)	Category 4
Skin corrosion / irritation	Category 1B
Serious eye damage / eye irritation	Category 2
Skin sensitization	Category 1

Label Elements

Hazard Pictograms: GHS05 (corrosion); GHS07 (exclamation mark – harmful/irritant)

Signal Word: Warning

Hazard Statements

H302 – Harmful if swallowed.

H312 – Harmful in contact with skin.

H314 – Causes severe skin burns and eye damage.

H315 – Causes skin irritation.

H317 – May cause an allergic skin reaction.

H319 – Causes serious eye irritation.

H332 – Harmful if inhaled.

Precautionary Statements

P260 – Do not breathe dust/gas/mist/vapours/spray.

P261 – Avoid breathing dust/fume/gas/mist/vapours/spray.

P264 – Wash hands thoroughly after handling.

P270 – Do not eat, drink, or smoke when using this product.

P272 – Contaminated work clothing shall not be allowed out of the workplace.

P280 – Wear protective gloves/protective clothing/eye protection.

P312 – Call a POISON CENTER or doctor/physician if you feel unwell.

P322 – Specific measures: refer to first aid instructions.

P363 – Wash contaminated clothing before reuse.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P304+P340 – IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P333+P313 – If skin irritation or rash occurs: Get medical advice/attention.

P301+P330+P331 – IF SWALLOWED: Rinse mouth. Do not induce vomiting.

P301+P312+P330 – IF SWALLOWED: Rinse mouth. Call a POISON CENTER or doctor/physician.

P303+P361+P353 – IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 – IF IN EYES: Remove contact lenses if present and easy to do. Continue rinsing.

P405 – Store locked up.

P501 – Dispose of contents/container in accordance with local/regional/national/international regulations.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Component	CAS No.	% w/w
Benzyl alcohol	100-51-6	10 – 30
3-aminopropyldimethylamine	109-55-7	5 – 10
2,4,6-Tris(dimethylaminomethyl)phenol	90-72-2	5 – 10
3-aminopropyltriethoxysilane	919-30-2	<1

4. FIRST AID MEASURES

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes.

Skin Contact: Remove contaminated clothing and shoes without delay. Wash immediately with plenty of water. Do not reuse contaminated clothing without laundering. Get medical attention if pain or irritation persists after washing or if signs and symptoms of overexposure appear.

Ingestion: If swallowed, call a physician immediately. Only induce vomiting at the instruction of a physician. Never give anything by mouth to an unconscious person.

Inhalation: Remove to fresh air. If breathing is difficult, give oxygen. Obtain medical advice if there are persistent symptoms.

5. FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Use water spray, alcohol foam, carbon dioxide, or dry chemical to extinguish fires. Water stream may be ineffective.

Protective Equipment: Firefighters and others exposed should wear self-contained breathing apparatus and full firefighting protective clothing. See Section 8 (Exposure Controls / Personal Protection).

Special Hazards: Keep containers cool by spraying with water if exposed to fire.

6. ACCIDENTAL RELEASE MEASURES

- Exclude sources of ignition and ventilate the area. Exclude nonessential personnel.
- Avoid breathing vapors. Refer to protective measures listed in Section 8.
- Contain and collect spillages with noncombustible absorbent material such as sand, earth, vermiculite, or diatomaceous earth, and place in a suitable container for disposal in accordance with waste regulations (Section 13).
- Do not allow product to enter drains or water courses.
- Clean preferably with a detergent; avoid the use of solvents.
- If the product enters drains or sewers, or contaminates streams, rivers, or lakes, contact the relevant authorities.

7. HANDLING AND STORAGE

Handling

- Handle in a well-ventilated area.
- Use only in areas from which all naked flames and other sources of ignition have been excluded.
- Keep containers tightly closed. Exclude sources of heat, sparks, and flame.
- Avoid skin and eye contact. Avoid inhalation of vapor. Smoking, eating, and drinking should be prohibited in storage and use areas. See Section 8 for personal protection.
- Do not press, cut, heat, or weld containers. Use only spark-free tools to open and close containers.

Storage

- Observe label precautions. Store separately from oxidizing agents and strongly alkaline or strongly acidic materials.
- Store at ambient temperature in a dry, well-ventilated place away from heat, ignition sources, and direct sunlight.
- Opened containers should be properly resealed and kept upright to prevent leakage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: Provide adequate ventilation, using local exhaust ventilation and good general extraction where reasonably practicable. Ground equipment used for fluid transfer, pumping, and stirring.

Exposure Limits

Component	CAS No.	ACGIH TLV-TWA	OSHA PEL-TWA	VP mmHg @20°C	LD50 g/kg	LC50 ppm
Benzyl alcohol	100-51-6	10	dna	0.1	2	1000
3-aminopropyldimethylamine	109-55-7	dna	dna	5.25	2.2	>4
2,4,6-Tris(dimethylaminomethyl) phenol	90-72-2	dna	dna	≥0.1	1.28	>0.5
3-aminopropyltriethoxysilane	919-30-2	dna	dna	0.015	4	>7.35

Personal Protection

Respiratory: Where exposures are below the established exposure limit, no respiratory protection is required. Where exposures exceed the limit, use respiratory protection recommended for the material and level of exposure.

Eyes: Wear chemical splash-proof goggles or a face shield.

Skin: Avoid skin contact. Wear impermeable gloves and suitable protective clothing; this product is absorbed through the skin.

Hands: Nitrile or fluorinated rubber gloves. Replace gloves immediately if torn or if any change in appearance (dimension, colour, flexibility) is noticed.

Additional Advice: Do not carry, store, or consume food, beverages, or tobacco where this material is in use. Wash face and hands thoroughly before eating, drinking, or smoking. Shower after work shifts involving significant contact, and launder work clothing before reuse; do not take work clothing or shoes home.

9. PHYSICAL AND CHEMICAL PROPERTIES

Property	Value
Physical State	Liquid
Odor	Amine-like
Colour	Light yellow
Specific Gravity / Density	1.01 ± 0.02 g/cm³
Volatiles (by wt.)	<1%
Solubility in Water	Immiscible
pH	Not applicable
Boiling Range	135°C
Flash Point	>76°C
Explosion Limit	Not available

10. STABILITY AND REACTIVITY

- Stable under the recommended storage and handling conditions.
- Keep away from oxidizing agents and strongly alkaline or strongly acidic materials to prevent the possibility of exothermic reaction.
- In case of fire, hazardous decomposition products such as smoke, carbon monoxide, carbon dioxide, and oxides of nitrogen may be produced.

11. TOXICOLOGICAL INFORMATION

Inhalation: Exposure to organic solvent vapors may cause irritation of the mucous membrane and respiratory system, and adverse effects on the renal and central nervous systems. Symptoms include headache, dizziness, fatigue, muscular weakness, drowsiness, and, in extreme cases, loss of consciousness.

Skin Contact: Repeated or prolonged contact may remove natural fats from the skin, resulting in non-allergic contact dermatitis, and may be absorbed through the skin.

Eye Contact: Splashes may cause irritation and reversible eye damage.

Ingestion: May cause sore throat, abdominal pain, drowsiness, nausea, vomiting, and diarrhea.

12. ECOLOGICAL INFORMATION

No ecological data is available on the product itself. Do not allow the product to enter drains, water courses, or soil where it can affect ground or surface water. Applicable air pollution control requirements under environmental protection regulations may apply to the use of this product.

Mobility	Not available
Biodegradability	Not available
Bioaccumulation	Not available
Sewage Treatment	Not available

13. DISPOSAL CONSIDERATIONS

- Not suitable for disposal by landfill or via municipal sewer, drains, natural streams, or rivers.
- Recover or recycle where possible; otherwise incinerate.
- Empty containers should be taken for recycling, recovery, or disposal.
- Ensure a suitably qualified or licensed waste contractor is used for any disposal.

14. TRANSPORT INFORMATION

	Road (ADR) / Rail (RID)	**Air (ICAO-TI / IATA-DGR)**	**Sea (IMDG Code)**
UN Number	UN 2735	UN 2735	UN 2735
Proper Shipping Name	Amines, Liquid, Corrosive, N.O.S.	Amines, Liquid, Corrosive, N.O.S.	Amines, Liquid, Corrosive, N.O.S.
Class	8	8	8
Packing Group	III	III	III
Marine Pollutant	–	–	Yes

15. REGULATORY INFORMATION

Follow applicable local, regional, and national regulations governing the classification, labeling, storage, handling, and disposal of this product.

16. OTHER INFORMATION

The information in this data sheet is based on the present state of knowledge and current regulations. It provides guidance on health, safety, and environmental aspects of the product and should not be construed as a guarantee of technical performance or suitability for any particular application.

Notice to Reader: To the best of our knowledge, the information contained herein is accurate. However, ThinTech Coatings assumes no liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.