

VACUUM PLATING SPECIAL UV TOPCOAT

Self-Drying Water-Based Stain Basecoat HZ-SZ-A-W Material Safety Data Sheet (MSDS)

1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product name: Self-Drying
Water-Based Stain Basecoat

Product code: HZ-SZ-A-W

Supplier: Hunan Hengxing New Materials Technology
Co., Ltd.

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Hunan Province, China

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Recommended use: Furniture manufacturing, wood
building materials, interior decoration, and other wood
finishing applications.

2. HAZARDS IDENTIFICATION

China GHS classification:

Skin corrosion/irritation: Category 2

Hazardous to aquatic environment (chronic):
Category 2

Routes of exposure: Eye and skin contact, inhalation,
accidental ingestion.

Possible symptoms:

Eyes: Severe irritation with direct contact.

Skin: Irritation, itching, redness; prolonged contact
may cause burns.

Inhalation: Mist may irritate nose and throat; high
exposure may cause headache, dizziness, vomiting.

Ingestion: Burns to mouth, throat, stomach.

Environmental hazards:

3. COMPOSITION / INFORMATION ON INGREDIENTS

Substance / Mixture: Mixture

Component	CAS No.	Content (%)
Waterborne polyurethane emulsion	9006-03-5	30–60
Deionized water	7732-18-5	30–50
DPNB (Dipropylene glycol n-butyl ether)	29911-28-2	3–6
Propylene glycol	57-55-6	5–10
Additives	—	0.5–1

4. FIRST AID MEASURES

Eye contact: Flush with clean water for at least 15
minutes; seek medical attention if symptoms persist.

Skin contact: Remove contaminated clothing, wipe
excess material, wash thoroughly with soap and water.

Ingestion: Do not rinse or induce vomiting. Seek
immediate medical attention. Do not give liquids to an
unconscious person.

Protection for first aiders: Wear protective
gloves, avoid direct contact.

Advice to physician: Consider gastric lavage
when appropriate.



5. FIRE-FIGHTING MEASURES

Suitable extinguishing media: Dry powder, CO₂, water spray, water fog.

Unsuitable media: High-pressure water jet.

Other notes: Use water spray to cool containers.

Protective equipment: Self-contained breathing apparatus and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

Emergency response: Collect small spills into suitable containers and wipe the floor clean.

Personal precautions: Restrict access; ensure trained personnel handle cleanup; use PPE.

Environmental precautions: Prevent entry into drains, waterways, soil.

Cleanup: Absorb with sand, earth, similar material; wash area with water.

7. HANDLING AND STORAGE

Handling: Use in well-ventilated areas; keep away from flames and high heat; ground equipment; use explosion-proof gear.

Storage: Cool, dry, ventilated area; keep upright; avoid incompatible materials; store in original containers.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering controls: Not usually required with good hygiene practices.

PPE: Respiratory: Not usually required unless above exposure limits.

Hands: Impermeable gloves (PVC, 4H or similar).

Eyes: Chemical goggles.

Body: Long-sleeved work clothes.

Hygiene: Remove contaminated clothing, wash hands, no eating/drinking/smoking in work areas.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Milky white or semi-transparent liquid

Viscosity: 15–25 s at 25°C (Ford #4 cup)

Solubility: Completely soluble in water

Other parameters: Melting point, boiling point, density, vapor density, flash point, explosion limits, ignition temperature etc. all listed as no data.

Special notes: Low-VOC environmentally friendly coating; post-cure film has some flame retardancy.

10. STABILITY AND REACTIVITY

- Stable under normal conditions.
- No hazardous polymerization.
- Avoid direct sunlight, heat above 50°C, friction, heat sources.
- Combustion may release typical organic-coating decomposition products.

11. EXPOSURE CONTROL AND PERSONAL PROTECTION (SUPPLEMENT)

No additional data. PPE same as above.

12. DISPOSAL CONSIDERATIONS

- Dispose according to national/local rules.
- Empty containers should be returned to manufacturer where possible or disposed properly.

13. TRANSPORT INFORMATION

No UN number, class, or packing group listed.

Marine pollutant: Yes.

Recommended packaging: Screw-cap bottles (glass/plastic), metal drums inside wooden boxes.

Transport precautions: Inspect seals; avoid leakage; keep from sun, rain, heat; carry spill/fire equipment.

14. REGULATORY INFORMATION

Cites standard Chinese regulatory references and chemical safety standards.

15. OTHER INFORMATION

Issue date: 10 March 2024

Standard disclaimer regarding accuracy and legal compliance.