



HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD

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SAFETY DATA SHEET (SDS)

OB-NANOFILM SEALING AGENT DYZY-D

SDS No.: DYZY-D • Version: 2.9 • Revision date: 2025-09-19

SECTION 1. Identification of the substance and of the company/undertaking

Product identifier	OB-NANOFILM SEALING AGENT DYZY-D
Recommended use	Sealing agent for oil- based mud (OBM) and synthetic- based mud (SBM)
Restrictions on use	Not for food, drug or household applications
Supplier	HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD
Address	Room 1504, Building A, Rising Times, Puyang, Henan, China
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SECTION 2. Hazards identification

- Classification (GHS/CLP): Not classified as hazardous based on available information.
- Other hazards: Organic powder may form combustible dust clouds; product becomes slippery when wet.

SECTION 3. Composition / information on ingredients

Component	CAS No.	Content
Acrylic polymer	25035-69-2	60%
Crosslinker	64265-57-2	10%
Water	7732-18-5	30%

SECTION 4. First aid measures

- Eyes: Rinse cautiously with water; remove contact lenses if present. Seek medical attention if irritation persists.
- Skin: Wash with soap and water; launder contaminated clothing before reuse.
- Inhalation: Move to fresh air; if symptoms occur, get medical advice.
- Ingestion: Rinse mouth. Do NOT induce vomiting.

SECTION 5. Firefighting measures

- Suitable media: water spray, foam, dry chemical or CO₂.
- Specific hazards: combustible dust if dispersed; slippery residues after water application.

SECTION 6. Accidental release measures

- Avoid dust formation; ensure ventilation; remove ignition sources. Vacuum or carefully sweep; wet- clean residues; prevent entry to drains.

SECTION 7. Handling and storage

- Minimize dust; store cool, dry and ventilated; keep container tightly closed; protect from moisture; keep away from strong oxidizers.

SECTION 8. Exposure controls / personal protection

- No product- specific OEL. Guidance: total dust <10 mg/m³; respirable <3 mg/m³. PPE: safety glasses; gloves; particulate respirator if dusty.

SECTION 9. Physical and chemical properties

Property	Value
Physical appearance	White emulsion
Odor	Slight odor
HTHP Filter loss, mL	≤16.0
AVP, mPa·s	≤15.0
Specific gravity (water=1)	1.05
Melting point (°C)	300

SECTION 10. Stability and reactivity

- Stable under normal conditions. Avoid high temperature, ignition sources, formation of dust clouds and moisture (caking). Incompatible with strong oxidizers; strong acids/alkalis may affect integrity. Thermal decomposition may form CO/CO₂ and irritating fumes.
- Combustible dust management: maintain housekeeping; bond/ground transfer systems.

SECTION 11. Toxicological information

- Likely routes: dust inhalation, eye/skin contact, accidental ingestion. Acute toxicity expected low; dust may cause mechanical irritation; no evidence of CMR hazards from components above disclosure thresholds.

SECTION 12. Ecological information

- Not expected to be acutely hazardous to aquatic life at typical use; avoid uncontrolled releases.

SECTION 13. Disposal considerations

- Dispose according to local/regional regulations; do not discharge to drains; empty dry packaging may be recycled where allowed.

SECTION 14. Transport information

- UN number: Not applicable. Proper shipping name: Not regulated. ADR/IMDG/IATA: Not regulated. Keep dry; prevent package damage; minimize dust during handling.

SECTION 15. Regulatory information

- Supplied as a non- hazardous mixture; general chemical safety requirements apply. Based on available information, no components are present above applicable SVHC or disclosure thresholds. Users must ensure conformity with local regulations.

SECTION 16. Other information

Issue date: 2025-09-19 • Supersedes: N/A

Disclaimer: Information is believed accurate as of the issue date but not exhaustive; users must ensure suitability and compliance.