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# SAFETY DATA SHEET (SDS)

## Oleophilic HT Resistant Filter Loss Reducer DYOF-J

SDS No.: DY-OBM-DYOF-J • Version: 2.9 • Revision date: 2025-10-10

GHS classification	Not classified as hazardous under GHS.
Primary hazards	Nonflammable and nonexplosive under normal conditions; dust may cause mechanical irritation to eyes/respiratory tract; slippery when wet.
Recommended PPE	Safety glasses (EN166) or dust-resistant goggles; nitrile gloves; standard protective clothing; use P2/P95 respirator when visible dust is generated.
Shelf life	24 months in unopened original packaging at 5–35 °C; keep dry and away from sunlight.
Packaging	25 kg multi-layer bags (typical). Keep packages sealed and dry; store cool, well-ventilated; keep away from heat and incompatible materials.
Intended use	Oil-based drilling-fluid filter-loss reducer (industrial use only).

### Contents

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

Product identifier	Oleophilic HT Resistant Filter Loss Reducer DYOF-J
Synonyms	DYOF-J; oleophilic HT filter-loss additive
Recommended use	Oil-based drilling fluid additive (filter-loss control)
Supplier	HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD

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## SECTION 2. Hazards identification

- GHS classification: Not classified as hazardous under GHS; treat as nuisance dust.  
Label elements: No pictogram/signal word required. Precautionary statements: Avoid breathing dust; wear eye protection and suitable gloves; avoid release to the environment.  
Other hazards: Finely divided dust may cause mechanical irritation to eyes/skin and respiratory tract.

## SECTION 3. Composition / information on ingredients

Substance	CAS No.	Concentration	Notes
Humic acid amide (oleophilic)	—	—	Primary active; mixture; disclosure per customer NDA

## SECTION 4. First aid measures

- General: Show this SDS to the physician.  
Eye contact: Rinse cautiously with water for at least 15 minutes; remove contact lenses if present and easy to do; obtain medical attention if irritation persists.  
Skin contact: Wash with soap and water; remove contaminated clothing and launder before reuse.  
Inhalation: Move to fresh air; keep at rest in a position comfortable for breathing; seek medical attention if symptoms occur.  
Ingestion: Rinse mouth; do not induce vomiting; seek medical attention if unwell.

## SECTION 5. Firefighting measures

- Suitable extinguishing media: Water spray, dry chemical, foam, or CO<sub>2</sub>.  
Specific hazards: Dust in air may form explosive mixtures in extreme cases; thermal decomposition produces carbon oxides.  
Protective equipment: Wear self-contained breathing apparatus and full protective gear; avoid dust clouds during firefighting.

## SECTION 6. Accidental release measures

- Personal precautions: Avoid dust formation; wear appropriate PPE.  
Environmental precautions: Prevent entry into drains/waterways.  
Cleanup methods: Avoid dry sweeping that raises dust; use HEPA vacuum or dampen and collect into suitable, labeled containers.

## SECTION 7. Handling and storage

- Handling: Minimize dust generation and accumulation; provide local exhaust where dust may form; avoid contact with eyes/skin.  
Storage: Store in original, tightly closed containers in a cool, dry, well-ventilated area; protect from moisture and heat sources.

## SECTION 8. Exposure controls / personal protection

- Exposure limits: Treat as nuisance dust (consult local OELs for inhalable/respirable fractions).  
Engineering controls: Enclose processes and use local exhaust; provide eyewash and safety shower.  
Personal protective equipment: Safety glasses with side-shields; dust-filtering respirator (P2/P95) if airborne dusts occur; protective gloves; suitable work clothing.  
Hygiene: Wash hands after handling; do not eat, drink, or smoke at the workplace.

## SECTION 9. Physical and chemical properties

- Typical properties are shown in the Property table above; values are not product specifications.

Property	Value
Appearance	Black to brown powder; characteristic odor
Specific gravity (water=1)	≈ 1.05 @ 20 °C
Melting point	≈ 300 °C (decomposes)
Solubility	Dispersion in water; also dispersible in ethanol and ether
Dust formation	May form nuisance dust during handling

## SECTION 10. Stability and reactivity

- Reactivity: Not reactive under normal conditions.  
Chemical stability: Stable at ambient conditions when stored dry in closed containers.  
Possibility of hazardous reactions: No hazardous polymerization expected.  
Conditions to avoid: Excess moisture, extreme heat, and dust clouds in confined spaces.  
Incompatible materials: Strong oxidizing agents.

Hazardous decomposition products: Carbon oxides and nitrogen-containing fumes at high temperatures.

## SECTION 11. Toxicological information

- Information on likely routes of exposure: Eyes, skin, inhalation of dust.  
Acute toxicity: Low acute toxicity expected; mechanical irritation is the primary effect.  
Skin corrosion/irritation: Prolonged contact may cause dryness or mild irritation.  
Serious eye damage/irritation: Dust may cause transient irritation/tearing.  
Respiratory or skin sensitization: Not expected to be a sensitizer.  
Germ cell mutagenicity/Carcinogenicity/Reproductive toxicity: No components listed by IARC/NTP/OSHA as carcinogens; no specific hazards expected based on available data.  
STOT-SE/STOT-RE: High dust exposure may cause respiratory irritation; repeated overexposure to dust can aggravate pre-existing respiratory conditions.

## SECTION 12. Ecological information

- Ecotoxicity: No data available; avoid uncontrolled releases to the environment.  
Persistence and degradability: Expected to show partial biodegradability depending on composition and conditions.  
Bioaccumulative potential: Low potential anticipated due to polymeric/complex nature.  
Mobility in soil: Low mobility as a solid; may be transported as suspended particles in water.  
Other adverse effects: Not identified as an ozone-depleting substance.

## SECTION 13. Disposal considerations

- Disposal methods: Dispose of contents/container in accordance with local/regional/national regulations via a licensed waste contractor.  
Recommendation: Prefer energy recovery/incineration where permitted; avoid disposal to sewer or natural waters.  
Empty containers: May contain residues; keep closed and recycle or recondition when possible.

## SECTION 14. Transport information

- Not regulated as dangerous goods for road/rail, sea, or air transport based on available information. Ensure packaging prevents dust release and moisture uptake; verify classification against latest modal rules for the shipped formulation.

Mode	UN/ID	Proper shipping name	Class/P.G.	Comments
ADR/RID (Road/Rail)	—	Not regulated (non-dangerous goods)	—	Keep dry; avoid generating dust; use intact

				packaging.
IMDG (Sea)	—	Not regulated	—	Not a marine pollutant as supplied; verify per shipment.
IATA (Air)	—	Not regulated	—	Prevent dust release; observe airline rules.

## SECTION 15. Regulatory information

- Regulatory status: Industrial use only. Ensure compliance with applicable chemical inventories (e.g., IECSC) and local regulations.  
China: Follow requirements in chemical safety regulations for workplace use, storage, transportation, and labeling.  
Other regions: Verify compliance case-by-case (TSCA/DSL/REACH, etc.).

## SECTION 16. Other information

- Issue date: 2025-10-10 • Supersedes: —  
Training advice: Train personnel on dust control, PPE, spill response, and safe handling.  
Disclaimer: Information is believed accurate but provided without warranty; users must assess suitability for their intended processes.  
Revision history: v2.9 (2025-10-10) — Initial DYOF-J SDS release using master template.

Issue date: 2025-10-10 • Supersedes: N/A

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