



HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD

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SAFETY DATA SHEET (SDS)

Emulsion Polymer Fluid Loss Additive D-POLY

SDS No.: DY-DPOLY • Version: 2.9 • Revision date: 2025-09-29

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

Product identifier	Emulsion Polymer Fluid Loss Additive D-POLY
Recommended use	Water- based drilling fluid additive; fluid- loss control polymer emulsion
Supplier	HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD
Address	Room 1504, Building A, Rising Times, Puyang, Henan, China
Email	info@dongyuchemical.com
Website	www.dongyuchemical.com

SECTION 2. Hazards identification

- GHS classification: Mixture not classified as hazardous based on available information.
- Label elements: No signal word or pictograms required.
- Supplemental: Emulsion is slippery; dried residues may form combustible dust clouds—avoid ignition sources and dust accumulation.
- Housekeeping: Follow good practice for combustible dusts—control ignition sources and prevent dust build- up.
- Other hazards: Hygroscopic; may clump when exposed to moisture.

SECTION 3. Composition / information on ingredients

Component	CAS No.	Content
White mineral oil	8042-47-5	30%
Acrylamide	79-06-1	10%
Acrylic acid	79-10-7	5%

2-Acrylamido-2-methylpropane sulfonic acid	15214-89-8	15%
N- vinylpyrrolidone (NVP)	88-12-0	10%
Surfactant blend	—	5%
Water	7732-18-5	25%

SECTION 4. First aid measures

- General: If symptoms persist, get medical advice/attention.
- Eyes: Rinse cautiously with water for several minutes; remove contact lenses if present and easy to do.
- Skin: Wash with soap and water; remove contaminated clothing and launder before reuse.
- Inhalation: Move to fresh air; keep comfortable for breathing.
- Ingestion: Rinse mouth. Do not induce vomiting unless directed by medical personnel.

SECTION 5. Firefighting measures

- Suitable extinguishing media: Water spray, foam, dry chemical, or CO₂.
- Specific hazards: Combustible dust hazard if dried residues are suspended and ignited; combustion may produce CO/CO₂ and NOx.
- Protective equipment: Self- contained breathing apparatus and full protective gear.

SECTION 6. Accidental release measures

- Personal precautions: Avoid slips; avoid breathing mist; ensure adequate ventilation.
- Cleanup: Contain; absorb with inert material; collect and wash area (slippery when wet); prevent entry to drains in large quantities.

SECTION 7. Handling and storage

- Handling: Keep containers closed; minimize atomization/aerosols; maintain good housekeeping.
- Storage: Store cool, dry and well- ventilated; protect from freezing and high heat; keep away from strong oxidizers.

SECTION 8. Exposure controls / personal protection

- Exposure limits: Keep total inhalable dust <10 mg/m³; respirable dust <3 mg/m³ (typical guidance for dried residues).
- Engineering controls: Local exhaust where mist or dust is generated; explosion- proof equipment for large- scale handling of dried powders.
- PPE: Safety glasses; chemical- resistant gloves; protective clothing as needed; particulate respirator (N95/FFP2) if dust present.

- Hygiene: Wash hands after handling; no eating/drinking/smoking during use.

SECTION 9. Physical and chemical properties

Item	Non- thickening type	Thickening type
Appearance	Milky white to yellowish emulsion	Milky white to yellowish emulsion
pH	7–9	7–9
Solid content, %	≥30	≥30
Apparent viscosity of 1% solution, mPa·s	≤15.0	≥20.0
Composite brine API filter loss at ambient, mL	≤10.0	≤10.0
HTHP filter loss after 180°C/16 h aging, mL	≤25	≤25

SECTION 10. Stability and reactivity

- Stable under normal conditions. Avoid heat, freezing and ignition sources.
- Incompatible: strong oxidizers.
- Decomposition: CO/CO₂ and nitrogen oxides at high temperature.

SECTION 11. Toxicological information

- Routes of exposure: inhalation of mist/dust; eye and skin contact.
- Acute effects: not expected to be acutely toxic; mild irritation possible on prolonged exposure.
- CMR/Sensitization: No evidence above disclosure thresholds for finished mixture.

SECTION 12. Ecological information

- Not expected to pose significant environmental hazards at typical use levels; avoid uncontrolled releases.

SECTION 13. Disposal considerations

- Dispose of in accordance with applicable regulations. Empty containers may contain residue—follow safe handling practices.

SECTION 14. Transport information

- ADR/RID/IMDG/IATA: Not regulated (non- hazardous goods). Keep from freezing; prevent package damage; avoid leaks/spills.

SECTION 15. Regulatory information

- Status: Supplied as non- hazardous mixture under GHS/CLP based on available information.
- Compliance: Users must ensure conformity with local regulations at point of use.

SECTION 16. Other information

Issue date: 2025-06-25 • Supersedes: N/A (new formatted release)

Disclaimer: Information believed accurate but not exhaustive; use as guidance.