



HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD

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SAFETY DATA SHEET (SDS)

Emulsion Coating Agent DY-POLY CAP

SDS No.: DY-POLY CAP • Version: 2.9 • Revision date: 2025-10-10

GHS classification	Not classified as hazardous under GHS.
Primary hazards	Nonflammable and nonexplosive under normal conditions; mists/vapors may irritate the respiratory tract; surfaces can be slippery when wet.
Recommended PPE	Chemical splash goggles; chemical-resistant gloves (e.g., nitrile); standard protective clothing; use P2/P95 respirator if aerosols/mists may form or ventilation is inadequate.
Shelf life	24 months in unopened original packaging at 5–35 °C; keep dry and away from sunlight.
Packaging	200 kg drums (typical). Store tightly closed in a cool, dry, well-ventilated place; keep away from heat/ignition and oxidizers.
Intended use	Biomass primary emulsifier for oil-based drilling fluids (industrial use only).

Contents

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

Product identifier	Emulsion Coating Agent DY-POLY CAP
Synonyms	PHPA
Recommended use	Oilfield chemicals
Supplier	HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD

Address	Room 1504, Building A, Rising Times, Puyang City, Henan, China
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SECTION 2. Hazards identification

- Main ingredient: fat amine polyoxyethylene ether; appearance: red-brown liquid. Use: oil-based drilling fluid additive. GHS: Not classified as dangerous freight in source; handle with care to avoid contact and static accumulation.

SECTION 3. Composition / information on ingredients

Substance	CAS No.	Concentration	Notes
Acrylic acid / acrylamide copolymer	25085-02-3	50%	
White mineral oil	8042-47-5	10	
Emulsifier	/	20	
Water	7732-18-5	20	

SECTION 4. First aid measures

- Eyes: Rinse cautiously with water.
Ingestion: Do not feed anything to an unconscious person; wash mouth with water.
Inhalation: Move to fresh air; artificial respiration if needed.
Skin: Wash with soap and plenty of water.

SECTION 5. Firefighting measures

- Fire behavior: Source notes 'this product does not burn'; however a flash point ≈ 150 °C is reported—treat as combustible liquid. Extinguishing media: CO₂, dry powder, foam, water spray. Prevent static buildup; cool containers with water.

SECTION 6. Accidental release measures

- Spill response: Isolate area, set warnings; responders wear appropriate protection. Rinse with plenty of water and route diluted washings to wastewater system. For large spills: collect/recover; dispose harmlessly according to regulations.

SECTION 7. Handling and storage

- Operation: Avoid contact with oxidants/acids; control flow rate during charging to prevent static accumulation; careful handling to avoid package damage.
Storage: Store in shade; closed containers in a dry, ventilated place; room temperature recommended.

SECTION 8. Exposure controls / personal protection

- PPE: Routine workwear, safety shoes; chemical-proof gloves; local exhaust ventilation to keep exposure within regulatory values; respiratory protection generally not required.

SECTION 9. Physical and chemical properties

- Physical/chemical data per source: sticky clear liquid (yellowish→reddish-brown); SG ~0.85; BP ~200 °C; FP ~150 °C; FP -17 °C (pour point); insoluble in water, soluble in oily media; extremely low vapor pressure; non-volatile.

Property	Value
Appearance / Color / Odor	Liquid; Milky white or slightly yellow emulsion; odorless
pH	7-9
Specific gravity (water=1)	1.1-1.2
Boiling point	Not determined
Freezing point	Not determined
Water solubility	Insoluble; soluble in oily media
Vapor pressure (25 °C)	Not determined
Flash point	Not determined
Volatility	Non-volatile

SECTION 10. Stability and reactivity

- Stability: Stable. Hazardous decomposition: none stated; avoid strong oxidants/acids; no polymerization expected.

SECTION 11. Toxicological information

- Toxicology: Not specified; handle to minimize exposure; no special hazards indicated.

SECTION 12. Ecological information

- Environmental: None specified in source; avoid releases to environment.

SECTION 13. Disposal considerations

- Waste disposal: Not dangerous; follow Chinese government and local policies/regulations.

SECTION 14. Transport information

- Transport: Not dangerous freight; prohibit mixed loading with acids; keep packaging closed.

Mode	UN/ID	Proper shipping name	Class/P.G.	Comments
Dangerous freight classification	—	No (not dangerous)	—	Prohibit mixing with acids; keep packages closed.

SECTION 15. Regulatory information

- Regulatory: Follow PRC chemical safety management regulations and related implementation rules for production, storage, transport, handling.

SECTION 16. Other information

- Other information: Data accurate to supplier's knowledge; users must ensure suitability for their process and comply with local regulations.

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

Disclaimer: The information in this SDS is believed to be accurate and is provided without warranty; users are responsible for determining suitability for their specific applications.