



HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD

Room 1504, Building A, Rising Times

Puyang, Henan, China

Email: info@dongyuchemical.com • www.dongyuchemical.com

SAFETY DATA SHEET (SDS)

POLYMER ENCAPSULATING INHIBITOR AMPHICAP

SDS No.: AmphiCap • Version: 2.9 • Revision date: 2025-10-11

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	Coating inhibitors for water-based drilling fluids(industrial use only).

Contents

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

Product identifier	Polymer Encapsulatinginhibitor AMPHICAP
Synonyms	Coating agent, Encapsulating agent
Recommended use	Inhibitor for drilling fluids (shale/clay control)
Supplier	HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD

Address	Room 1504, Building A, Rising Times, Puyang City, Henan, China
Email	info@dongyuchemical.com
Website	https://www.dongyuchemical.com

SECTION 2. Hazards identification

- Emergency matters: May be hazardous to skin, eyes and breathing if mishandled.
Hazard pathways: Ingestion—harmful; Skin contact—harmful with prolonged exposure; Eye contact—may cause irritation; Long-term exposure—may cause discomfort. Environmental effects: no data available.

SECTION 3. Composition / information on ingredients

Substance	CAS No.	Concentration	Notes
Acrylamide sodium acrylate copolymer	25987-30-8	92%	Mixture component per supplier
water	7732-18-5	8	

SECTION 4. First aid measures

- Skin contact: Immediately wash with soap and copious water; if irritation persists, call a physician.
Eye contact: Rinse with copious water for at least 15 minutes, keeping eyelids apart; seek medical advice if irritation persists.
Inhalation: Remove to fresh air; if breathing is difficult, provide oxygen; seek medical aid if unwell.
Ingestion: Rinse mouth if conscious; do not induce vomiting; get medical aid immediately.

SECTION 5. Firefighting measures

- Hazard characteristics: May decompose to produce toxic fumes when burning or at high temperatures.
Extinguishing media: Water spray, carbon dioxide, dry powder, or foam.
Specific methods: Fight fire from upwind; select extinguishing methods according to surroundings; evacuate uninvolved persons.
Surroundings on fire: Remove movable containers if safe.
Protective equipment: Wear self-contained breathing apparatus and protective clothing.

SECTION 6. Accidental release measures

- PPE & protective gear: Use P3-filter respirator for toxic particles; keep away from spills/leaks. Emergency measures: Stay upwind; cordon the area to control access by uninvolved persons. Environmental measures: Prevent entry into sewers. Cleanup: Sweep up and collect dust; seal in airtight containers; avoid dispersal; dispose of collected material per applicable regulations.

SECTION 7. Handling and storage

- Handling/disposal precautions: Handle in well-ventilated areas to prevent dust spread; wear appropriate PPE; avoid contact with skin, eyes, and clothing; avoid prolonged/repeated contact; wash thoroughly after handling; keep away from incompatible materials (e.g., oxidizers); no smoking.
Storage: Use corrosion-resistant equipment; keep tightly closed; store cool, dry, dark, locked, and away from oxidizers.
Packaging materials: Use original containers; store cool, dry, and well-ventilated; keep sealed; keep away from heat and strong oxidizers.

SECTION 8. Exposure controls / personal protection

- Engineering controls: Provide exhaust ventilation or other controls to keep airborne concentrations below threshold values.
Personal protection: Eyes—fully protective chemical safety goggles; Hands—water-resistant or neoprene gloves; Respiratory—P3/P95 filtering facepiece as needed for dust control; Clothing—protective garments to avoid skin contact.

SECTION 9. Physical and chemical properties

- See property table for typical values; unlisted parameters are not available from current source.

Property	Value
Appearance	Like white granular powder
Odor	odourless
pH (1% solution)	8.0
Relative density (g/cm ³)	1.1-1.3
Solubility	Water-soluble

SECTION 10. Stability and reactivity

- Chemical stability: Stable under normal conditions.
Conditions to avoid: Open flames/ignition sources and contact with incompatible materials.
Incompatible materials: Strong oxidizing agents, strong acids, strong bases.

Hazardous reactions: None expected under recommended storage/handling.
Decomposition products: Toxic fumes may be produced at high temperature.

SECTION 11. Toxicological information

- Skin: Slightly irritating with long-term contact.
Eye: Causes irritation to soft tissues of the eye.
Carcinogenic effects: Not listed by major agencies.
Additional information: Prolonged or high-level dust exposure may irritate the respiratory tract.

SECTION 12. Ecological information

- Ecotoxicity: No data available.
Persistence and degradability: No data available.
Bioaccumulative potential: No data available.
Mobility in soil: No data available.
Other adverse effects: Not identified as an ozone-depleting substance.

SECTION 13. Disposal considerations

- Dispose of contents/container in accordance with local, state, and federal environmental rules and regulations. Avoid discharge to sewers and natural waters.

SECTION 14. Transport information

- RID/ADR: Non-hazardous for transport (Not regulated).
IATA: Non-hazardous for air transport (Not regulated).
IMDG: Non-hazardous for sea transport (Not regulated).

Mode	UN/ID	Proper shipping name	Class/P.G.	Comments
ADR/RID (Road/Rail)	—	Not hazardous for transport (Not regulated)	—	Prevent dust release; keep dry and properly packaged.
IMDG (Sea)	—	Not hazardous for sea transport (Not regulated)	—	Not a marine pollutant as supplied.
IATA (Air)	—	Not hazardous for air transport (Not regulated)	—	Prevent dust release; observe airline rules.

SECTION 15. Regulatory information

- According to Regulation (EC) No.1272/2008 and its amendments: No data for classification. Ensure compliance with applicable chemical inventories and local regulations in destination markets.

SECTION 16. Other information

- Issue date (original): 2020-03-05; Reformatted into company master template on 2025-10-10 (v2.9).
Disclaimer: The above information is believed to be correct but does not purport to be all inclusive; users must determine suitability for their particular purposes.

Issue date: 2025-10-11 • Supersedes: N/A

Disclaimer: The information herein is believed accurate but provided without warranty; users must determine suitability for their specific application.