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SAFETY DATA SHEET (SDS)

Non-Fluorescent Biomass Lubricant DYZYRH

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

GHS classification	Not classified as hazardous under GHS.
Primary hazards	Causes skin irritation; harmful to aquatic life with long- lasting effects; mists may irritate respiratory tract; surfaces slippery when wet.
Recommended PPE	Chemical splash goggles; butyl or nitrile gloves; protective clothing; use P2/P95 respirator if aerosols/mists may form.
Shelf life	24 months in unopened original packaging at 5–35 °C; keep dry and away from sunlight.
Packaging	200 kg drums / 25 kg pails (typical). Store tightly closed; keep away from oxidizers; prevent release to the environment.
Intended use	Non- fluorescent biomass lubricant for drilling fluids (industrial use only).

Contents

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

Product identifier	Non-Fluorescent Biomass Lubricant DYZYRH
Synonyms	C12–22 alkyl butyl ether mixture
Recommended use	Oilfield chemicals
Supplier	HENAN DONGYU CHEMICAL TECHNOLOGY CO., LTD
Address	Room 1504, Building A, Rising Times, Puyang City, Henan, China

Email	info@dongyuchemical.com
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SECTION 2. Hazards identification

- Irritating to the skin; severe toxicity to aquatic organisms. Appearance: flowing fluid. Main component: C12–22 alkyl butyl ether.

SECTION 3. Composition / information on ingredients

Substance	CAS No.	Concentration	Notes
C12–22 Fatty Aci Methyl Esters	67762-38-1	30%	
C12-22 Alkyl Butyl Ether	90431-41-7	15%	
White Oil	8042-47-5	55%	

SECTION 4. First aid measures

- Skin: Remove contaminated clothing; rinse with plenty of water. Eyes: Rinse with running water or saline and seek immediate medical care. Inhalation: Non-volatile, but in smoke/aerosols move to fresh air; oxygen/artificial respiration as needed. Ingestion: Do not induce vomiting; seek medical attention immediately.

SECTION 5. Firefighting measures

- Extinguishing media: mist water, dry powder, foam, CO₂.

SECTION 6. Accidental release measures

- Personal protection: Use appropriate PPE. Environmental precautions: Do not release into environment. Cleanup: Absorb with inert materials (sand, silica, universal absorbent, sawdust), dispose per local regulations.

SECTION 7. Handling and storage

- Operate carefully; avoid direct skin/eye contact; general fire prevention measures; store under general conditions; careful opening of containers.

SECTION 8. Exposure controls / personal protection

- Respiratory protection generally not required; if aerosols/smoke, use SCBA or oxygen respirator with type A filter. Hands: Butyl rubber (≥ 0.5 mm, up to 480 min) or nitrile (≥ 0.35 mm, up to 480 min); splash protection—natural rubber (≥ 0.5 mm, ~ 120 min). Eyes: Safety glasses. Body: Protective clothing; follow industrial hygiene practices.

SECTION 9. Physical and chemical properties

- Physical/chemical data summarized in the property table (flash point >130 °C; density 0.84 g/cm³; viscosity ~ 31 mm²/s; limited water solubility ~ 2.9 mg/L).

Property	Value
Appearance @20 °C / Color / Odor	Liquid; limpid; 'clear' odor
Not determined	Not determined
Melting point	0.9–11.3 °C
Pour point / Cloud point	6 °C / 4.3 °C
Boiling point	≈ 268 °C
Flash point (PMCC, closed)	>130 °C
Self-ignition temperature	≈ 242 °C
Density (20 °C)	0.84 g/cm ³
Water solubility (20 °C)	≈ 2.9 mg/L (OECD 105)
Kinematic viscosity (20 °C)	≈ 31 mm ² /s

SECTION 10. Stability and reactivity

- Stable; no dangerous reactions expected under normal storage.

SECTION 11. Toxicological information

- Toxicology (literature): Acute oral LD50 (rat) > 2000 mg/kg; skin irritation (rabbit) irritating; eye irritation (rabbit) non-irritating; no sensitization; no mutagenicity.

SECTION 12. Ecological information

- Biodegradable (>60% in 28 days per literature); aquatic toxicity high: LC50 (zebrafish) <1 mg/L (96 h); EC50 (Daphnia) <1 mg/L (48 h); EC50 (algae) <1 mg/L (72 h).

SECTION 13. Disposal considerations

- Follow national/local regulations; incineration possible where permitted.

SECTION 14. Transport information

- Not classified as dangerous freight; packaged in barrels; no special shipping requirements.

Mode	UN/ID	Proper shipping name	Class/P.G.	Comments
Dangerous freight classification	—	No (Not dangerous)	—	Ship in barrels; avoid mixing with acids; keep closed.

SECTION 15. Regulatory information

- Follow PRC chemical management regulations and workplace safety provisions cited in the source.

SECTION 16. Other information

- Information accurate to supplier knowledge; no warranty; users must ensure suitability.

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.

Revision History

Version	Date	Change summary	Approved by
2.9	2025-10-10	Initial Non-Fluorescent Biomass Lubricant DYZYRH release using master template	QA