

TECHNICAL DATA SHEET

EP LUB

EP LUB is a highly effective lubricant for various drilling fluid systems. It can effectively reduce the friction coefficient of the drilling tool and the torque force of the plate. It can also prevent the drilling fluid from sticking. EP LUB is stable, convenient, eco-friendly and harmless to human body.

Typical Characteristics

Parameter	Specification
Appearance	Dark brown or black liquid
Density @ 20°C (g/mL)	0.89 – 0.98
Water Solubility	Dispersible in water
Flash Point, closed cup (°C)	> 100

Application

1. EP LUB reduces the flow resistance of the drilling fluid and the friction coefficient of filter cake, reduces TOB and increases HHP to prevent sticking.
2. EP LUB is completely water-dispersible, making them good for reducing friction coefficient and torque in a variety of water-based drilling fluid systems, such as freshwater, seawater and saltwater. It is especially used in horizontal wells and highly deviated wells.
3. EP LUB effectively overcomes the insufficient lubricity of ordinary lubricants. Under high load conditions, it has better extreme pressure and anti-wear effect, which can form a stronger extreme pressure lubricating film on the surface of metal drilling tools to protect the drilling tool, extend the life of the drill bit, reduce the torque of the drill rods, increase the drilling speed and reduce the possibility of differential sticking. EP LUB also reduces the wear on the drill pipe and drill bit, greatly improving drilling efficiency.
4. EP LUB reduces the wear on drill pipe and drill collar, especially in irregular caliper and deviated wells and directional wells.

Packaging and Storage

EP LUB is packaged in 180KG drum or 900KG drum.

Store in dry, well-ventilated area. Keep container closed. Keep away from heat, sparks and flames. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

Recommended Handling

All personnel handling this material must handle it as an industrial chemical, wearing protective equipment and observing the precautions as described in the Safety Data Sheet (SDS).

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