

LUBE BXC

Concentrated brine lubricant

APPLICATIONS

- Horizontal land drilling
- Highly-deviated well profiles

ADVANTAGES

- Environmentally acceptable nondiesel-based lubricant
- Friction, torque, and drag reducer increases ROP
- Compatible with produced water and brines

LIMITATIONS

- Can grease when exposed to a high-pH, high-hardness environment
- Designed for land drilling applications

LUBE BXC* concentrated brine lubricant is a cost-effective, high-performance lubricant designed to reduce metal-to-metal and metal-to-rock coefficient of friction in produced water and brine fluids. This top-performing lubricant significantly decreases torque and drag in challenging directional profile applications, such as high-angle and horizontal wells.

Recommended initial treatment for LUBE BXC lubricant is 1 vol%. Product concentration can be adjusted to achieve the desired reduction in coefficient of friction, torque, and drag. Periodic treatments should be carried out to compensate for depletion and ensure the drilling fluid system delivers consistent performance.

LUBE BXC lubricant is nondiesel-based and has environmentally acceptable properties. It has a minimal tendency to grease when exposed to a high-pH, high-hardness environment.

This lubricant can be readily added through the mixing hopper or directly to the suction pit if proper agitation is provided.

Toxicity and handling

Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the SDS.

Packaging and storage

LUBE BXC lubricant is generally packaged in 55-galUS [208-L] drums. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping, or stacking. Keep containers tightly closed in a dry, cool, and well-ventilated place. Store in original container. Avoid heat, flames, and other sources of ignition. To avoid ignition of vapors by static electricity discharge, all metal parts of the equipment must be grounded.

Typical Physical Properties

Physical appearance	Brown liquid
Specific gravity	0.91-0.94 (60.08 degF [15.6 degC])
pH	6.5-8.5 (1-10% aqueous solution)
Solubility in water solution	Slightly soluble
Flash point	64.94 degF [18.3 degC]