

# BRINEX<sup>†</sup>

BIO-BASED LUBRICANT FORMULATED TO IMPROVE LUBRICITY

## BENEFITS

- Reduces metal-to-metal and metal-to-formation torque and drag without affecting drilling and fluid properties.
- Engineered for water and brine-based systems to perform at low concentrations.

## APPLICATIONS

- Water or brine-based drilling and completion fluids, including extended-reach and extreme pressure wells.
- Coiled tubing and wireline operations.
- 1 - 2% v/v in a continuous circulating system and 2 - 3% v/v in concentrated pills (typical).

## PROPERTIES

- Appearance: Dark brown liquid
- Specific Gravity: 0.95 - 0.97
- Flash point: 235°F
- Solubility: Insoluble in water

## TREATMENT RECOMMENDATIONS

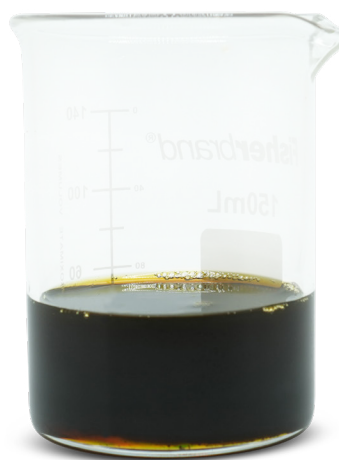
BRINEX is a liquid additive added to a full circulating system or in concentrated pills. A standard circulating system recommended treatment is 1.5% v/v, with most applications using between 1 - 2% v/v.

Concentrated pills between 2 - 3% v/v are effective across difficult sections of excessive torque and drag, such as the build sections during trips, while running casing, or while sliding in highly deviated boreholes.

To minimize risk of foaming, maintain hardness below 400 mb/l and ensure pH is <9.5. Elevated risk of foaming is observed more often in freshwater/low-saturated brine. If required, use a non-alcohol based defoamer to combat foaming. As with any fluid additive introduction, pilot testing is recommended for new applications.

## PACKAGING AND HANDLING

BRINEX is available in 275 gallon totes. Handle BRINEX as an industrial chemical, wearing protective equipment and observing precautions as described in the Safety Data Sheet (SDS).





**AES DRILLING FLUIDS**

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