



AES DRILLING FLUIDS

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Revision 1.01

BRINEX EP[†]

SUPERIOR FILM STRENGTH FOR IMPROVED LUBRICITY AND PIPE LIFE

BENEFITS

- Reduces metal-to-metal and metal-to-formation torque and drag without affecting drilling fluid properties.
- Minimizes friction wear, extending drill pipe life.
- 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, 2 - 3% v/v concentrated sweeps (typical), and 4% v/v for casing running pills.

PROPERTIES

- Appearance: Dark brown liquid
- Specific Gravity: 0.92 - 0.96
- Flash point: 235°F
- Solubility: Insoluble in water.

TREATMENT RECOMMENDATIONS

BRINEX EP can be 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 sweeps between 2 - 3% v/v are effective across difficult sections of excessive torque and drag, such as the build section during trips or while sliding in highly deviated boreholes. For casing running pills, spot a 4% v/v treatment.

To minimize risk of foaming, maintain hardness below 400 mg/l and maintain pH below 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.

BRINEX EP provides superior film strength, maximizing pipe life and delivering more energy to the bit.

PACKAGING AND HANDLING

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

