

DI-LOK

Low-density divalent fluid rheology stabilizer

APPLICATIONS

Enhancing and stabilizing viscosity for DIPRO LD* low-density divalent reservoir drill-in fluid (RDF)

ADVANTAGES

- Enhances viscosity in low-density divalent brines
- Helps maintain stabilization in divalent brines
- Complexes with other DIPRO LD RDF components

The DI-LOK* low-density divalent fluid rheology stabilizer is a viscosity enhancer and stabilizer for DIPRO LD RDF. The stabilizer works with DI-PLEX* low-density divalent low-end rheology modifier and other DIPRO* high-density divalent RDF additives to provide the desired rheological properties not attainable in lower-density calcium brines.

The stabilizer helps provide viscosity in calcium-base fluids below 11 lbm/bbl [1.32 relative density] in which targeted rheological properties are difficult to achieve. It can also be effective in DIPRO RDFs above 11 lbm/bbl to improve system performance.

Recommendations for product concentration range from 0.5 lbm/bbl [1.90 kg/m³] to 10 lbm/bbl [38.04 kg/m³]. The exact product concentration will depend on the base divalent brine and the various ions in it as well as the concentration of other DIPRO LD or DIPRO RDF products. Upfront testing is recommend.

Specifications

Physical appearance	White powder
Relative density	2.6

Toxicity and handling

Bioassay information is available upon request. Handle as an industrial chemical. Wear protective equipment, and observe the precautions described in the safety data sheet (SDS).

Packaging and storage

DI-LOK stabilizer is packaged in 50-lbm [22.7-kg] sacks and 2,000-lbm [907-kg] totes.