

# DI-PLEX

## Low-density divalent low-end rheology modifier

### ADVANTAGES

- Enhances viscosity in low-density divalent brines
- Complexes with DIPRO LD\* low-density divalent reservoir drill-in fluid (RDF) components

The DI-PLEX\* low-density divalent low-end rheology modifier is a viscosity enhancer and stabilizer for DIPRO LD RDFs.

The DI-PLEX modifier provides viscosity enhancement in lower density divalent-base (<11 lbm/galUS, 1.32 sg) RDF systems and various pills. The DI-PLEX modifier and the DI-LOK\* low-density divalent fluid rheology stabilizer interact with the DI-TROL\* divalent brine system primary viscosifier additive and DI-BALANCE\* divalent brine system secondary viscosifier in the DIPRO LD fluid to obtain a rheological profile not previously attainable in the lower-density calcium brines.

The DI-PLEX modifier is also effective in improving DIPRO\* high-density divalent RDF system (>11 lbm/galUS, 1.32 sg) performance.

Recommendations for product concentration range from 0.15 to 0.3 lbm/bbl [0.43 to 0.86 kg/m<sup>3</sup>] The exact product concentration will depend on the base divalent brine and the various ions in it, plus the density of DIPRO or DIPRO LD fluids. Pilot testing is recommended.

The DI-PLEX modifier works in conjunction with the DI-LOK stabilizer and DIPRO LD fluid components to provide the desired rheological properties in DIPRO LD fluids and pills. The DI-PLEX modifier helps provide viscosity in calcium base fluids, (<11 lbm/galUS, 1.32 sg), where rheological targets are difficult to achieve.

### Typical Physical Properties

Physical appearance	White powder
Specific gravity	3.56

### Toxicity and handling

Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions described in the Material Safety Data Sheet (MSDS).

### Packaging and storage

The DI-PLEX modifier is packaged in 50 lbm [22.7 kg] sacks.