KLARO FS fines stabilizer

Minimize production decline due to fines migration

Applications

- Water-based drill-in fluids
- Completion brines
- Enhanced filter cake removal
- Sandstone formation

Features and benefits

- Reduces the mobility of siliceous fines in sandstone formations
  - Minimizes production declines related to fines migration
  - Reduces risk of permeability damage
- Compatible with all low- and high-pH systems and water-based DIFs
  - Facilitates logistics and testing requirements, which reduces associated costs
- Non-wetting to sandstone mineral surfaces
  - Maintains natural permeability
- pH balanced
  - Less impact on sensitive fluids
- Liquid additive
  - Enables fast, accurate metering and mixing

The Baker Hughes KLARO™ FS fines stabilizer is an aqueous solution that, when added to a water-based drill-in fluid (DIF) or completion brine in a sandstone formation, minimizes production declines due to fines migration. A hydrolysable organosilane, the KLARO FS additive forms a siloxane covalent bond to reduce the mobility of siliceous fines such as quartz, feldspars, mica, and clays in sandstone formations. An improvement over traditional organosilanes, this product is pH-balanced to enhance the performance of pH-sensitive fluids.

Recommended treatment

Treatments with KLARO FS additive typically range from 0.05 to 0.5% v/v. Contact your Baker Hughes representative for additional information.

Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

Shipping

Transportation of the KLARO FS additive is not restricted by international or USA regulatory agencies.

Safe handling recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.

Packaging

KLARO FS fines stabilizer is packaged in 55-gal (208.2-L) drums.

Typical properties	
Appearance	Yellow liquid
Specific gravity	0.99 to 1.01
Flash point (Closed cup)	> 199.4°F (93°C)