

CC-400 Clay Control

Product Overview

CC-400 is designed to permanently stabilize and control water-sensitive clays through aqueous treatments to avoid swelling and migration issues. The usage of CC-400 in stimulation treatments safeguards the water-sensitive formation to provide full well productivity while upholding formation integrity and permeability. CC-400 is soluble in fresh water, KCl brine, high TDS brine and acids.

Recommended Application

Treatment concentrations of CC-400 will vary depending on the application and the magnitude of clay swelling potential in a particular formation. Typical load rates range 1-5 gal CC-400 per 1,000 gal fluid. CC-400 can be applied to aqueous pre-flush fluids, acidizing fluids and fracturing fluids.

Safety & Environmental

Unlikely to cause harmful effects when stored and handled as advised.

Advantages & benefits

- Permanently adsorbs to formation surface
- Reduces porosity reduction due to clay swelling
- Drops surface fines production in consequence to clay particle dislodgement
- Increases the durability of proppant pack conductivity by decreasing clay particle dislodgement
- High temperature stable (Tested up to 150C)
- Non-damaging to formation (biodegradable)
- Permanent Clay Stability (Encapsulating & Hydration Inhibition)
- Economical and Higher Performing

Typical Properties

Property	Test Results
Form	Liquid
Color	Light pale green
Solubility	Water, Acid, Brine
Odor	Slight Amine
Wt.	9.12/lbs./gal
Charge	Cationic
Flash Point	None
Chemical Family	Quat. Amine Salt

Shipping, Handling & Storage

CC-400 is available in 275-330 gal. poly totes, bulk tanks, or bulk transport loads.