CLAYSEAL® PLUS™

SHALE STABILIZER

Product Description

CLAYSEAL® PLUS™ shale stabilizer is used to inhibit hydration of reactive clays and shale formations. It is effective in most water based drilling fluids from fresh water to high salinity brines and is suitable for use up to 400°F (204°C). CLAYSEAL PLUS shale stabilizer functions best at a pH range from 7 to 10, but is also effective in lime based fluids. CLAYSEAL PLUS shale stabilizer helps reduce the potential for bit balling and improves drill solids removal. When used with CLAYSEAL PLUS shale stabilizer, clay based viscosifiers should be prehydrated before addition to the active fluid system.

Applications/Functions

CLAYSEAL PLUS shale stabilizer can be used to inhibit clay and shale hydration

Advantages

» Helps reduce the potential for bit balling
» Helps improve drill solids removal
» Effective in fresh water, sea water, salt water, lime, and low solids systems
» Is completely water soluble

Typical Properties

» Appearance: Transparent yellow liquid
» Flash Point: 200°F (93°C)
» pH: 6 to 8
» Specific Gravity: 1.04

Recommended Treatment

Add 4-7 lb/bbl (11.4-20 kg/m³) of CLAYSEAL PLUS shale stabilizer.

• For best results, a minimum of 4 lb/bbl (11.4 kg/m³) of CLAYSEAL PLUS shale stabilizer is required
• Prehydrate all AQUAGEL® additions for viscosity and fluid loss before adding to system
• Initial treatments in non-dispersed systems may cause slight flocculation and may require a thinner.

Packaging

CLAYSEAL PLUS shale stabilizer is packaged in 5-gal (18.9-l) pails containing 41-lb (18.6-kg) net weight and in 55-gal (208-l) drums containing 459-lb (208-kg) net weight.