PRODUCT DATA SHEET

AQUAGEL®

VISCOSIFIER

Product Description

AQUAGEL® viscosifier is a treated premium grade Bentonite. AQUAGEL viscosifier is finely ground to aid in dispersion and meets API specifications 13A, section 9 requirements. This product can provide viscosity and gelling characteristics to most water-based drilling fluids and also helps reduce fluid loss and filtrate seepage into the formation.

Applications/Functions

» Viscosify anionic water-based drilling fluids
» Can reduce water seepage or filtration into permeable formations
» Can form a thin filter cake with low permeability
» Can promote hole stability in poorly consolidated formations

Advantages

» Helps provide suspension for fluids weighted with barite or hematite
» Helps improve hole-cleaning capacity of drilling fluids
» Meets or exceeds API manufacturing standards (Section 9, Bentonite)
» Is environmentally responsible
» Can be added directly to fresh water or fresh water drilling fluids

Typical Properties

» Appearance: Variable-colored powder
» Bulk density, compacted: 73 lb/ft³ - 1169 kg/m³
» Bulk density, uncompacted: 50 lb/ft³ - 800 kg/m³

Recommended Treatment

» Add AQUAGEL viscosifier in concentrations of 0-25 lb/bbl (0-70 kg/m³) to any active system.
» Mix slowly through a jet mixer or sift slowly into the vortex of a high-speed stirrer.

Note: For optimum yield, AQUAGEL viscosifier should be prehydrated in fresh water when the fluid's chlorides exceed 8000 ppm.

Packaging

AQUAGEL viscosifier is available in 50-lb (22.7-kg) sacks and 100-lb (45.4-kg) sacks.