CLAY-SYNC™ II™

SHALE STABILIZER

Product Description
CLAY-SYNC™ II™ shale stabilizer is a non-ionic, 100% active, dry polymer used as a clay inhibitor in water-based drilling fluids. It adheres to the surface of reactive clays which helps reduce dispersion and hydration while improving cuttings integrity. CLAY SYNC II shale stabilizer is compatible with fresh water, Sea Water and monovalent brines, is suitable for use up to 325°F (163°C) and does not impact drilling fluid properties when used as recommended.

Applications/Functions
» Primary component in the HYDRO-GUARD® system
» Stable to 325°F (163°C)
» Inhibitive qualities are enhanced by higher salt concentrations
» Helps maintain borehole stability and promote gauge holes in shales and siltstone
» Low molecular weight allows pore-space water-blocking in shales
» Helps inhibit hydratable formation / promotes higher solids removal

Advantages
» Can be used in all monovalent brines
» Easily mixed and dispersible
» Does not blind shakers
» Does not impact drilling fluid properties when used in recommended concentrations
» Helps promote improved cuttings integrity

Typical Properties
» Appearance: Off white powder
» pH, (0.5% aqueous solution): 6.5 to 7.5
» Specific Gravity: 1.04
» Concentration, (% active polymer): 100

Recommended Treatment
CLAY SYNC II shale stabilizer should be mixed through the hopper for best results in the HYDRO-GUARD system. If salinity >140,000 ppm use 2 lb/bbl (5.6 kg/m³), if salinity <140,000 ppm use 3 lb/bbl (8.4 kg/m³) or more.

Packaging
CLAY SYNC II shale stabilizer is packaged in 50-lb (22.7-kg) bags