

AMC 117™

Clay & Shale Stabilisers



Description

117™ provides clay/shale inhibition in polymer-based drilling fluids. 117 reduces the potential for bit balling, torque and drag as well as other issues related to drilling clay and shale. All this is delivered by a product that is more environmentally acceptable than the inhibitor typically used, Potassium Chloride.

Application

It is important to observe the condition of cuttings at surface. Sticky or soft cuttings may indicate insufficient inhibition because of 117 depletion. 117 is a preventative additive and must be added to the system before drilling into the troublesome shale or hydratable clay section.

Recommended Treatment

The recommended concentration is 1-3.5% by volume, with concentration ultimately depending on shale reactivity and the amount present in the section to be drilled.

117 is consumed as the formation is drilled and a proper concentration must be maintained. For optimum results, monitor penetration rates, rheology, dilution and solids control and adjust treatment, as necessary.

Limitations

When added to a solids laden mud, 117 will cause flocculation to occur, resulting in a significant increase in viscosity. 117 is ineffective when added to a mud system that includes bentonite-based products.

Advantages

- Provides clay/shale inhibition
- Compatible with most water-based systems
- Prevents bit balling
- Environmentally acceptable

Typical Physical Properties

Appearance:	Clear liquid
Specific gravity:	1.08 – 1.18
Solubility in water:	Soluble
pH (1% solution):	8 – 10

Please Note: Several factors will dictate the most appropriate concentration rate. Please contact your nearest AMC representative for optimum results.

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