

AMC SHALEHIB ULTRA™

CLAY & SHALE STABILISERS



Description

AMC SHALEHIB ULTRA™ is an amine based product that provides superior shale and clay inhibition in polymer based drilling fluids. Effective in formations containing shale and reactive clay AMC SHALEHIB ULTRA™ reduces the potential for bit balling, torque and drag as well as other clay and shale related issues. All this is delivered by a product that has a minimal chloride content, making it far more environmentally acceptable than potassium chloride, which is typically used for inhibition.

Application

AMC SHALEHIB ULTRA™ is a liquid inhibitor that acts as a clay hydration suppressant by restricting the space between clay platelets, preventing water molecules from entering which normally results in clay swelling. It is important to observe the condition of cuttings at the shakers – sticky or soft cuttings may indicate insufficient inhibition as a result of depleted AMC SHALEHIB ULTRA™.

Typical Physical Properties

Appearance:	Pale to dark amber liquid
Specific gravity:	1.0 – 1.1
pH:	9 – 11
Solubility:	Soluble in water

Recommended Treatment

AMC SHALEHIB ULTRA™ should be added to the system before drilling into the troublesome shale or hydratable clay section.

The recommended concentration is 1.0 – 3.5% by volume, with concentration ultimately depending on shale reactivity and the amount present in the section to be drilled.

AMC SHALEHIB ULTRA™ 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 hourly treatment as necessary.

Advantages

- Prevents swelling of clay and shales
- Provides excellent shale inhibition
- Low chloride content
- Environmentally acceptable
- Compatible with most water based systems
- Prevents bit balling
- Reduces torque and drag
- Maintains cuttings integrity.

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

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