

AMC SHALEHIB ULTRA™

Clay & Shale Stabilisers

IMDEX™

Description

SHALEHIB ULTRA™ is a high-performance clay and shale inhibitor. It is highly effective in both swelling and dispersive clays, reducing the potential for bit balling, torque and drag as well as other clay and shale related issues. It is biodegradable and contains ten times less chlorides compared to than potassium chloride, which is typically used for inhibition, making it far more environmentally acceptable.

Application

It is important to observe the condition of core and cuttings at surface. Sticky or soft core and/or cuttings may indicate insufficient inhibition because of SHALEHIB ULTRA™ depletion. SHALEHIB ULTRA™ 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.

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 treatment, as necessary.

Limitations

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

Advantages

- Highly effective at stabilising swelling clays
- Highly effective at stabilising dispersive clays
- Reduces the need for hole conditioning when drilling clays and shales
- Maintains cuttings integrity when drilling clays and shales
- Prevents bit balling
- Compatible with most water-based systems
- Low chloride content
- Environmentally acceptable

Typical Physical Properties

Appearance:	Pale to dark amber liquid
Specific gravity:	1.0 – 1.1
pH (1% solution):	7 - 8
Solubility:	Soluble in water

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