HCHT STARCH BREAKER ENZYME

P2212.1804

WBM Drilling

Product Description

HCHT STARCH BREAKER ENZYME is a liquid that is readily dissolved in fresh water, sea water or completion brine together with other ARCASOLVE™ chemicals to produce ORCA™ for WBM acidizing or combined acidizing and polymer breaker fluids. These formulations are typically used for well treatments to remove drilling mud damage in a wide range of types of completion in oil and gas production wells and water and gas injection wells. The characteristics of these fluids make them particularly suited to open hole horizontal/directional wells including slotted liner, scree or gravel pack completions.

Product Function

HCHT STARCH BREAKER ENZYME is typically used in wells with a bottom hole static temperature in the range 20°C-130°C. It is also compatible with Cleansorb's polymer breaker products such as starch, cellulose or xanthan breaker enzymes and is used in combination with these breakers to treat mud cake damage where more than one type of polymer is present.

Features and Benefits

Highly soluble in and compatible with a wide range of completion brine types and brine densities. Used in ORCA™ for WBM formulations to treat wells with a bottom hole static temperature in the mid-range for enzyme treatments. Non-hazardous for transportation purposes and low hazard for handling and use Low environmental impact and high biodegradability

Recommended Treatment

Typically used at up to 0.5% v/v dissolved in completion brine for most applications although lower or higher concentrations can be used if required. Contact supplier for specific guidance on suitable formulations.

International Shipping References

Transportation of HCHT STARCH BREAKER ENZYME is not restricted by any regulatory agency.

Standard Packing

HCHT STARCH BREAKER ENZYME is supplied in 25 kg plastic drums or 1000 kg (net) IBC s as required.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Liquid
- Reservoir Compatible: Both
- Sub Category:
- SG value: 1
- pH: 5.0 - 7.5
- Solubility: Completely miscible with water and brines.
- Max Temperature: 250
- Category: Enzyme Breakers
- Product Tier: Regular
- Appearance: Pale to dark brown liquid free from suspended matter
- Specific Gravity: 1.0

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