BIO BUFFER

P2216.1903

WBM Drilling

Product Description

BIO BUFFER dissolved in fresh water, Sea water or completion brine together with other Enzymes for WBM chemicals to produce treatment fluids for water-based mud damage or acidizing carbonate formations. BIO BUFFER can be used in a wide range of down hole stimulation and completion applications in oil and gas production wells and water and gas injection wells. It is typically used in wells with bottom hole static temperature in the range 20?C - 150?C. It is used to stabilize the enzymes and is particularly useful where medium to high density completion brines are used.

Product Function

BIO BUFFER is used as a buffer agent in conjunction with acetic acid, in the buffering range of pH 3.6 - 5.6.

Features and Benefits

For treating drilling mud damage within the reservoir section of open hole wells drilled with water-based muds particularly ones containing CaCO3 weighing material and or carbonate drill cuttings fines. Soluble in wide range of completion brine types and brine densities. Low environmental impact and high biodegradability.

Recommended Treatment

Typically, 5 – 10 % w/v dissolved in completion brine for most applications lower or higher concentrations can be used. Contact supplier for specific guidance on mud cake breaker formulations for particular applications.

International Shipping References

Transportation of BIO BUFFER is not restricted by any regulatory agency.

Standard Packing

BIO BUFFER is supplied in 55 gal drums, 5 USG pail

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: pH Buffer
- SG value: 1.15
- Flash Point: >100 ?C
- pH: 3.6 - 5.6
- Max Temperature: 300
- Category: Breakers
- Product Tier: Premium
- Appearance: Clear to Pale yellow liquid
- Specific Gravity: 1.10 - 1.20

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