ACIDGEN FG3

P2200.1403

WBM Drilling

Product Description

Acidgen FG3 is a liquid acid precursor that is dissolved in fresh water, seawater or completion brine together with other ORCA for WBM chemicals to produce treatment fluids for water based mud damage or acidizing carbonate formations. Ideally the ph of the base brine should be in the range of 6 – 8 before adding Acidgen FG3. The rate of acid production from Acidgen FG3 may be accelerated down hole by including one of the following catalysts in the fluid formulation: C55 Enzyme or CS – GBC – 1.

Product Function

Acidgen FG3 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 - 80?C.

Features and Benefits

To treat drilling mud damage within the reservoir section of open hole wells drilled with water based muds particularly ones containing CaCO? and or carbonate drill cuttings fines. Soluble in wide range of completion brine types and brine densities. Used particularly @ bottom hole static temperature below 60?C or where higher rates of acid production are required.

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 ORCA for WBM formulations for particular applications.

International Shipping References

Transportation of Acidgen FG3 is not restricted by any regulatory agency.

Standard Packing

AcidgenTM FG3 is supplied in 210 kg net plastic drums or 1100 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: Formic Acid Precursor
- SG value: 1.29
- Water Content: 0.2 % Maximum
- pH: Not applicable
- Acidity (% w/w formic Acid): 0.3% Maximum
- Max Temperature: 300
- Category: Breakers
- Product Tier: Premium
- Appearance: Clear pale yellow liquid free from suspended matter
- Flash Point: >150? C Approx
- Density @ 20 ?C: 1.293

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