POWDERED STARCH BREAKER ENZYME

P2201.1402

WBM Drilling

Product Description

Arcasolve powdered HT starch breaker enzyme is a dry enzyme product that readily dissolves in fresh water, seawater or completion brine with other breaker chemicals to produce ORCA for WBM combined acidizing and polymer breaker fluids. These formulations are used to remove drilling mud damage in oil and gas producing and injection wells. They are particularly helpful to clean open hole horizontal/directional wells including slotted liner, screen or gravel pack completions. It is starch breaker enzyme typically used in wells with a BHT in the range 20?C - 130?C. It is also compatible with other polymer breaker enzymes to treat mud cake damage where more than one type of polymer is present.

Product Function

Arcasolve powdered HT starch breaker enzyme used in combination with cellulose or Xanthan 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 densities. Used in ORCA for WBM formulation to treat wells with a BHT in the upper range for enzyme treatments. Dry presentation suitable for high temperature storage without refrigeration.

Recommended Treatment

Typically 0.25 % w/v dissolved in completion brine for most applications although higher concentrations can be used if required.

International Shipping References

Transportation of powdered HT starch breaker enzyme is not restricted by any regulatory agency.

Standard Packing

Powdered HT starch breaker enzyme is supplied in 25 kg sacks.

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: Solid
- Reservoir Compatible: Both
- Sub Category: Enzyme
- SG value: 1.2
- pH: Not Applicable
- Solubility in water @ 20 °C: Completely Miscible with water and brines
- Max Temperature: 275
- Category: Breaker Additives
- Product Tier: Regular
- Appearance: Brown dry free running powder
- Density: 1.20

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