



CLEAR SOLUTIONS
Performance Drilling Products
The Earth Can Trust

Pure-Bore® Zero

A Fully Carbon Neutral Drilling Fluid Additive

Product description

At Clear Solutions we are proud to have achieved an industry first. A fully carbon neutral drilling fluid additive. With the help of our partners, we now ensure that for every bag of Pure-Bore® Zero sold, 100-kg of carbon will be removed from the atmosphere using a variety of sustainable forestry projects in the UK. Pure-Bore® Zero is an environmentally friendly, non-damaging, next generation drilling fluid additive which can be used in a wide variety of drilling and completion applications. By using the carbon credits administered by our friends at the Woodland Carbon Code, we will offset the greenhouse gas emissions from the production of Pure-Bore® Zero, to zero.

Applications

Pure-Bore® Zero forms the basis of a high-performance water-based drilling fluid. Pure-Bore® Zero enhances drilling performance - significantly improving hole cleaning, ECD management and borehole stability, whilst optimising reservoir protection. Readily dispersible and easy to mix in fresh water or a range of brines to saturation. Use and discharge offshore covered by CEFAS PLONOR Registration.

Functions

Exceptionally shear thinning rheology with non-progressive gel strengths for hole cleaning efficiency

Solids free fluid loss control with tight filter cake ensuring formation protection

Encapsulates shales and is effectively recycled through fine shale shaker screens, reducing dilution requirements

Compatible with a wide range of oil field chemicals and minerals and stable to typical drilling fluid contaminants

Advantages

- Carbon Neutral and Environmentally Acceptable
- Increased ROP
- Protection of reservoir formation
- Reduced drilling waste costs

Recommended treatment

Refer to the Clear Solutions Safety Data Sheet (SDS) for health and safety guidance before handling and mixing.

Slowly and uniformly mix Pure-Bore® Zero into water/brine using a venturi or colloidal mixer and continue to agitate/ circulate until Pure-Bore® Zero is fully dispersed. Pure-Bore® Zero disperses more readily than conventional biopolymers.

Depending on application add at 1.5 – 4.0lb per barrel, or 4.25kg – 11.4kg per cubic metre.

Typical physical properties

Specific Gravity: 1.2

Temperature limit for use: Up to 240°F (115°C) with options to extend to >240°F

Handling

Use the information supplied in the Safety Data Sheet (SDS) to Risk Assess chemical handling and use. Observe PPE requirements and exposure control measures at the worksite to minimise contact with personnel.

Packaging and storage

Pure-Bore® Zero is available in:

- 25 kg plastic bags (40 x 25 kg bags per pallet)

No warranty expressed or implied, of merchantability fitness for a particular purpose or otherwise is made, except the product conforms to seller specifications. Buyer assumes all risk of use, storage, and handling. Seller shall not be liable for any incidental or consequential damages arising directly or indirectly in connection with the purchase, use, storage, or handling of the product.

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PRODUCED IN THE UK

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