



CLEAR SOLUTIONS

Performance Drilling Products
The Earth Can Trust

Pure-Bore®

The Drilling Fluid For A Cleaner Tomorrow

EFFICIENT

- easy to use, one bag product
- superior clay and shale inhibition
- outstanding rheology and fluid loss control

EFFECTIVE

- exceptional borehole stability
- extremely effective hole cleaning
- greatly enhanced rates of penetration

ECO FRIENDLY

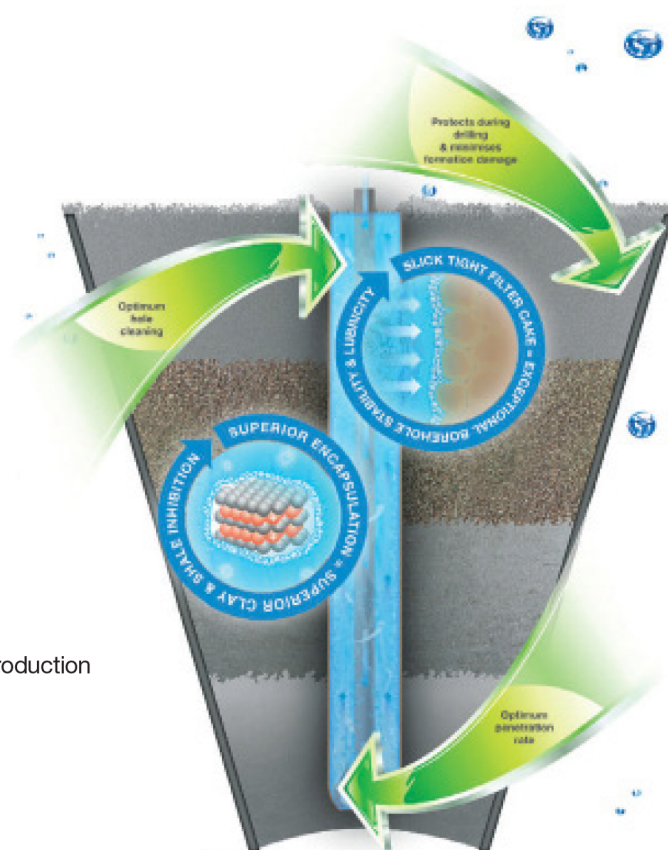
- approved under Water Supply Regulations for use in public/drinking water installations
- CEFAS registered, PLONOR
- environmentally friendly – non toxic and biodegradable

ECONOMIC

- cost effective purchase, minimises disposal costs
- impressive reservoir protection for enhanced reservoir production
- consistently saves our customers time and money

EXCELLENCE

- proven track record
- record breaking performance
- repeated, predictable and outstanding field results



Clear Solutions Group of Companies

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Pure-Bore®

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The most environmentally friendly, high-performance drilling fluid system available.

Description	Pure-Bore® is a CEFAS registered and Water Supply Regulations approved natural, biodegradable drilling fluid, which can be used in a wide variety of drilling applications. A specially produced, dry, free flowing polymer, Pure-Bore® provides exceptional borehole stability and cuttings removal in a wide range of ground conditions.			
Functions	High viscosity for efficient hole cleaning. High yield point and gel strength for maximum cuttings suspension and transport. Generates a tight filter cake and provides exceptional bore hole stability in unconsolidated formations. Provides clay and shale inhibition. Minimises formation damage. Can be cleaned down through regular de-sanders. Low cost ecological slurry disposal.			
Benefits	Environmentally friendly, non-toxic drilling. Fast and efficient mixing in salt or fresh water. Effective in all ground conditions. Stable whilst drilling. Reduced swelling clay problems. Reduced abrasive wear. Increased penetration rate. Reduced power/fuel costs. Recycles through standard de-sanding/de-silting equipment. Minimises formation damage for improved well development. Better formation samples. Effective rheological and filter cake building properties minimise the risk of fluid loss. 3kgs of Pure-Bore® provides the same viscosity as 60kgs of API grade bentonite or 25kgs of high yield bentonite. Naturally biodegradable (stabiliser can be added to retard biodegradation). Can be chemically destroyed with calcium hypochlorite for low cost slurry disposal: - on destruction drilled cuttings readily settle out to enable the fluid phase to be treated at a sewage treatment works, leaving semi dry cuttings.			
Recommended Treatment	Add slowly and uniformly through a high-shear venturi type hopper. Continue to agitate/circulate until Pure-Bore® is fully dispersed. <i>Refer to Clear Solutions MSDS for health & safety guidance before handling and mixing.</i>			
Pure-Bore® Mixing Ratios	Consolidated Formation (Clay/Shale)	kg/m ³ 3 – 5 kgs	lbs/100 US gal 2.5 – 4.0 lbs	lbs/bbl 1.0 – 1.7
	Unconsolidated formation (Sand/Gravel)	4 – 7 kgs	3.3 – 5.8 lbs	1.4 – 2.5
Pure-Bore® Degradation	Calcium hypochlorite (65% active)	1 – 3 kgs	0.8 – 2.5 lbs	0.4 – 1.0
Packaging	Pure-Bore® is packaged in 5kg plastic bags (5 x 5kg bags per cardboard case) Pure-Bore® is also offered in 25kg plastic pails or 25kg plastic bags			

The information and data contained herein are believed to be accurate and reliable. Clear Solutions International Ltd makes no warranty of any kind and accepts no responsibility for the results obtained through application of this information.

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