

# MAXBORE HDD™

MAXBORE HDD is a proprietary blended high-yielding Wyoming bentonite supplied as single sack product used especially in boring fluid applications. MAXBORE HDD provides suspension, wellbore stability, filtration control and helps reduce torque and drag for water base applications. The product is non-toxic and environmentally safe.

## Typical Physical Properties

Physical appearance.....Light Tan / Grey-green powder  
 Specific gravity .....2.3 – 2.6  
 Bulk Density ..... 48 -52 lb/ft<sup>3</sup> (769 – 833 kg/m<sup>3</sup>)

## Applications

MAXBORE HDD is used to increase viscosity, improve wellbore stability, filtration control and helps reduce torque and drag for boring fluid applications. It is a cost effective product for achieving viscosity for hole cleaning, gel strength, for cuttings suspension and transport, wellbore stability, fluid loss control and filter cake quality in freshwater and seawater applications. Typical concentrations for MAXBORE HDD range from 15 to 45 lb/100 gal (18-54 kg/m<sup>3</sup>)

## Advantages

- One sack product for ease of mixing and reducing the number of products required to prepare boring fluid.
- Hydrates more than other types of clays and is best for generating viscosity for hole cleaning, developing gels for suspension and controlling filtration.
- MAXBORE HDD’s unique size, shape and high-surface area provides superior filtration characteristics.
- Provides lubricity and wellbore stability for ease of drilling and stability of water sensitive clays and shales.
- Non-toxic and environmentally safe.

TYPICAL AMOUNTS OF MAXBORE HDD ADDITIONS ADDED TO FRESH WATER			
Drilling Application/Desired Results	lb/100gal	lb/bbl	kg/m3
Normal Drilling	20-25	8.5-10	25-29
Clay Environments	10-15	4-6	12-18
Gravel/Rock/Cobble	25-30	10-13	29-37



### ***Limitations***

Performance is reduced in salty (10,000 mg/l Cl) or hard (>240 mg/l Ca++) waters due to decreased hydration.

### ***Toxicity and Handling***

Bioassay information is available upon request. Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

### ***Packaging and Storage***

MAX BORE HDD is packaged in 50 lb. multi-walled sack (22.7 kg). 56 per pallet

Store in a well-ventilated area away from sources of heat or ignition.

**For sales and service, contact your local dealer:**



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