



# Technical Data Sheet

## BLOC FORCE HT

### *Product Description*

**BLOC FORCE HT** is a Carboxymethyl Starch or Poly Anionic Starch. It is manufactured as a fluid loss product for water base drilling fluids. BLOC FORCE HT is cross-linked which allows for a greater temperature and salt tolerance than other CMS or PAC's.

**Applications:** reduce fluid loss with minimal increases in viscosity.

**Treatments:** Typical treatments range from 0.25 - 1 lb/bbl. Higher concentrations could be required depending on water chemistry and type of drilling fluid. Concentrations of 1 - 3 lb/bbl could be required.

Daily maintenance treatment are required. Pilot testing is suggested to determine the actual treatment required to obtain the desired properties.

When used in environments suitable for PAC's, BLOC FORCE HT can be used along side PAC in a 1:1 to 1:3 ratio for increased performance.

### KEY BENEFITS

- Lower and controlling fluid loss in water-based muds.
- Has minimal effect on rheology in water-based muds.
- No calcium or salt limits
- Minimizes the potential for differential sticking.

#### Key Properties

|               |                  |
|---------------|------------------|
| pH            | 8 - 10           |
| Color         | Off white        |
| Physical Form | Powder           |
| Sg            | 1.5              |
| Solubility    | Soluble in water |
| Max Temp      | 300°F            |
| Packaging     | 50 lb. Sacks     |