## Specifications

### DESCRIPTION

FLC® SUPREME wellbore stabilizer is a proprietary blend of cellulosic fibers and granules and other materials that generate a fast, effective seal to minimize fluid and pressure invasion. The low permeability seal created by FLC SUPREME limits transmission of destabilizing wellbore pressure into the formation. This barrier, or ‘shield’ minimizes formation damage and prevents fractures from propagating.

### ADVANTAGE

- Operators drill safely with mud densities greater than the fracture initiation pressure
- Protects mechanically weak and interbedded shales to prevent sloughing, washouts, hold closures or collapse
- Eliminates differential sticking in high permeability formations
- Optimizes production by minimizing invasion in depleted formations
- High temperature stability over 204°C (400°F)

### APPLICATION

- Seals fractures up to 500 μm with a broad sealing range that allows for continual use of shale shaker systems.
- Optimizes wellbore stability in a variety of drilling conditions including: deepwater applications, depleted or poorly consolidated formations, interbedded formations, mechanically weak formations
- Effective in water-, oil- or synthetic-based drilling fluid systems

### RESERVOIR PERFORMANCE

- Suitable for use in all sections of the well including the reservoir
- Demonstrated to be non-damaging in independent third party testing

### ENVIRONMENTAL ADVANTAGE

- Environmentally compliant for use in all areas
- PLONOR listed for North Sea use, HMCS Category P, OCNS Group E
- Passes the North America 96-hr LC50 bioassay mysid shrimp

### TREATMENT RECOMMENDATIONS

- Effective at concentrations as low as 5-10 lb/bbl
- Designed for use in the circulating fluid system
- Recommended use with 40-60 mesh screens
- Concentration can be monitored by Impact’s proprietary Sand Bed Tester

### PHYSICAL PROPERTIES

- Appearance: Light tan, free-flowing powder
- pH: 6-7 in fresh water
- Specific gravity: 1.4-1.5 g/cm³ (11.7-12.5 lb/gal)
- Does not contain graphite, asphalt, gilsonite or other black powder based material

### HANDLING AND STORAGE

- FLC SUPREME should be stored in a dry environment. Avoid excessive dust and inhalation. Use appropriate PPE and review the SDS before use.

### PACKAGING

- FLC SUPREME is available in 25-lb, multi-walled bags – 48 sack per pallet.