



# P-SP200

## TECHNICAL DATA SHEET

DATE: JANUARY 1, 2026

### PETROCHEM – SPACER POWDER 200

#### PRODUCT DESCRIPTION

P-SP200 is a dry spacer system base powder designed for formulation of water-based spacer fluids in primary cementing operations. It provides controlled rheology development, low-shear-rate viscosity enhancement, and solids suspension to support stable spacer performance and effective fluid separation. When properly formulated, P-SP200 enables improved mud displacement, reduced intermixing, and consistent density control in low- to moderate-temperature applications up to 200°F (93°C).

#### APPLICATIONS

- Water-based spacer system formulations for primary cementing
- Pre-flush and spacer fluids for wellbore cleanup
- Fresh water, brine, and seawater spacer systems
- Spacer systems requiring controlled rheology and suspension stability
- Displacement systems for improved mud removal and cement compatibility

#### TECHNICAL DATA

- Promotes effective separation between drilling fluid and cement slurry
- Develops low-shear-rate viscosity for suspension and sag control
- Contributes to yield point development depending on concentration and system design
- Maintains density uniformity during mixing and pumping
- Reduces interfacial contamination and channeling during displacement
- Compatible with standard weighting agents including barite and hematite
- Applicable across a range of spacer densities (laboratory validation required)

#### FUNCTION IN SPACER SYSTEMS

- Provides primary rheology control within spacer formulations
- Supports suspension of weighting materials and drilled solids under static and circulating conditions
- Stabilizes fluid structure to minimize settling and density variation
- Assists in maintaining hydraulic separation between drilling fluid and cement slurry
- **Note: P-SP200 is a spacer system base component and is not a complete spacer fluid. A functional spacer system requires base fluid, surfactant package, and density control additives.**

#### TYPICAL PROPERTIES

- Appearance: Tan Powder
- Specific Gravity: 1.48
- Temperature Range: Up to 200°F (93°C)



#### **RECOMMENDED TREATMENT**

- Typical concentration range: 0.5% – 3.0% BWOW (approximately 0.2% – 1.2% BWOC equivalent based on typical slurry designs), depending on required rheology and density
- Add P-SP200 to base fluid (fresh water, brine, or seawater) under moderate to high agitation to ensure uniform dispersion
- Allow sufficient shear to develop rheological structure prior to addition of weighting agents
- Add weighting materials (barite, hematite) to achieve target density
- Incorporate surfactant package based on drilling fluid type and compatibility requirements
- Final formulation and performance should be verified through laboratory testing under representative well conditions

#### **PACKAGING**

- Packaged in 40 × 50 lb (22.7 kg) sacks per pallet
- Bulk or custom packaging options available upon request

#### **SAFETY**

- Refer to the Safety Data Sheet (SDS) prior to handling or use

#### **NOTICE**

The information provided herein is offered in good faith; however, no warranties, express or implied, are made. Users are responsible for determining product suitability and performance under actual operating conditions.