P-SP300

TECHNICAL DATA SHEET

DATE: JANUARY 1, 2026

PETROCHEM – SPACER POWDER 300

PRODUCT DESCRIPTION

P-SP300 is a dry spacer base powder for water based primary cementing formulations. When properly formulated, it enhances solids suspension, improves mud displacement, and supports density control in low to moderate temperature applications.

APPLICATIONS

- Primary cementing spacers and preflush fluids for mud displacement and wellbore cleanup
- Freshwater, brine, and seawater systems requiring cement compatibility

TECHNICAL DATA

- Develops strong low shear rate viscosity and yield point according to concentration and system design
- Improves solids transport at low flow rates and maintains density during mixing and placement
- Helps limit intermixing, interfacial contamination, and channeling
- Compatible with barite and hematite, including high density formulations, subject to laboratory validation

FUNCTION IN SPACER SYSTEMS

- Controls rheology and suspends weighting materials and drilled solids under static and circulating conditions
- Minimizes settling and sag during extended placement while maintaining separation between drilling fluid and cement slurry
- Base component requiring base fluid, surfactants, and density control additives; not a complete spacer fluid

TYPICAL PROPERTIES

- Appearance: Tan Powder
- Specific Gravity: 2.07
- Temperature Range: < 300°F (149°C)

RECOMMENDED TREATMENT

- Typical concentration: 0.5–3.0% BWOW (approximately 0.2–1.2% BWOC equivalent in typical slurry designs), depending on rheology and density
- Disperse into freshwater, brine, or seawater under moderate to high agitation; develop rheological structure before adding barite or hematite to target density.
- Select surfactants for drilling fluid compatibility; laboratory verify rheology, suspension, density stability, and fluid compatibility at representative well conditions and placement times.

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.