



TEAMWORK ISN'T OPTIONAL. IT'S ESSENTIAL.

SABER POLYSPERSE™

Synthetic Deflocculant & Rheology Control Additive

PRODUCT DESCRIPTION

SABER POLYSPERSE™ is a high-activity, low molecular weight anionic synthetic copolymer dispersant designed to optimize rheological control in water-based drilling fluid systems. The product functions as an efficient deflocculant by neutralizing attractive forces between reactive solids, reducing viscosity generated by solids interaction, and improving overall fluid stability.

Formulated as an aqueous solution, SABER POLYSPERSE™ provides rapid dispersion and effective solids management across a wide range of drilling conditions. Its synthetic polymer chemistry delivers consistent performance compared with traditional lignosulfonate, lignite, and tannin-based thinners, particularly in systems exposed to variable temperatures, elevated solids loading, and contaminant conditions.

SABER POLYSPERSE™ helps maintain desirable flow properties by reducing excessive gel strengths, improving rheological control, and supporting efficient drilling fluid processing. The product is effective in both conventional and high-performance water-based drilling fluids where dependable viscosity control is required.

TYPICAL TREATMENT RANGE

0.1 – 2.0 lb/bbl

Treatment concentration is dependent on solids loading, contaminant levels, fluid chemistry, and temperature.

PACKAGING

SABER POLYSPERSE™ is available in:

- 5-gallon pails (32 pails per pallet)
- Custom labeling and packaging options available

SHELF LIFE

36 months (3 years) when stored in unopened packaging under recommended storage conditions.

KEY BENEFITS

- Provides efficient de-flocculation and rheology control – in water-based drilling fluids
- Reduces viscosity caused by reactive solids and solids buildup
- Improves fluid stability under high-solids conditions
- Effective replacement for lignosulfonate, lignite, and tannin-based thinners
- Maintains performance in elevated-temperature environments
- Rapidly disperses due to high-activity liquid formulation
- Helps optimize pump ability and drilling fluid hydraulics

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	Clear to Amber Liquid
pH (2% Aqueous Solution)	7 – 9
Specific Gravity	1.25
Moisture Content	<8%
Temperature Stability	>275°F

APPLICATIONS

- Water-based drilling fluid systems (fresh and saline)
- High-solids and high-activity clay systems
- Systems requiring effective rheology and viscosity control
- Environments with temperature and contaminant variability
- Applications where consistent fluid performance is critical