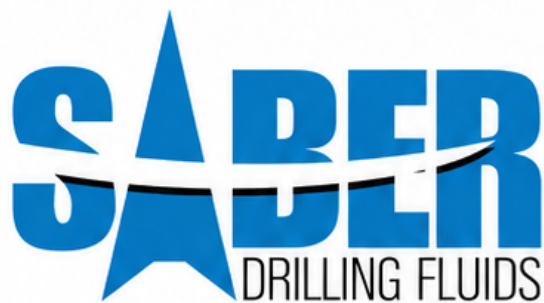




TECH DATA SHEET



TEAMWORK ISN'T OPTIONAL. IT'S ESSENTIAL.

SABER PLEX™

**High-Temperature Fluid Loss Control Additive
for Non-Aqueous Drilling Fluids**

PRODUCT DESCRIPTION

SABER PLEX™ is a proprietary, high-performance fluid loss control additive specifically engineered for use in non-aqueous-based drilling fluids (NAF), including oil-based and synthetic-based mud systems operating under demanding high-temperature/high-pressure (HTHP) conditions.

The unique chemistry of SABER PLEX™ provides exceptional filtration control by forming a thin, tough, and highly impermeable filter cake that minimizes filtrate invasion while maintaining the integrity of the drilling fluid system. The product remains effective across a broad temperature range, including extreme temperature environments exceeding 400°F, where conventional fluid loss additives may experience performance degradation.

In addition to filtration control, SABER PLEX™ enhances the low-shear viscosity profile of non-aqueous drilling fluids, improving suspension capability and helping maintain barite and solids stability during static and dynamic drilling conditions. This improved rheological control contributes to better hole cleaning, reduced sag potential, and improved overall drilling fluid performance.

SABER PLEX™ is designed to provide reliable performance without adversely affecting formation permeability, making it suitable for challenging drilling applications where reservoir protection and fluid stability are critical.

TYPICAL TREATMENT RANGE

0.5 – 4.0 lb/bbl

Pilot testing is recommended to determine optimum concentration for specific fluid systems and drilling conditions.

PACKAGING

SABER PLEX™ is supplied in 25 lb bags, packaged 40 bags per pallet for convenient handling and field application.

SHELF LIFE

24 months (2 years) when stored in unopened packaging under recommended storage conditions.

KEY BENEFITS

- Provides superior HTHP fluid loss control in non-aqueous drilling fluids
- Maintains filtration performance from low temperatures to extreme temperatures
- Temperature stable beyond 400°F
- Produces a thin, durable, low-permeability filter cake
- Enhances low-shear rheology for improved suspension and hole cleaning
- Helps minimize barite sag and solids settling
- Compatible with oil-based and synthetic-based drilling fluids
- Designed for reservoir-sensitive applications with minimal formation impact

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	White to Off-White Powder
Solubility in Water	Insoluble
Density	1.0 – 1.1 g/cm ³

HANDLING AND STORAGE

Store in a cool, dry area. Keep containers tightly closed when not in use. Avoid prolonged exposure to moisture. For additional information, refer to the Safety Data Sheet (SDS) for this product.

RECOMMENDED USE

SABER PLEX™ is designed for use in non-aqueous-based drilling fluids in both onshore and offshore drilling operations. It is suitable for a wide range of high-temperature formations and drilling environments.