



TEAMWORK ISN'T OPTIONAL. IT'S ESSENTIAL.

SABER STAR™

Advanced Multi-Blend Bridging Agent

PRODUCT DESCRIPTION

SABER STAR™ is a proprietary, engineered multi-blend bridging agent formulated to provide effective seepage and partial-loss control across a broad range of formation conditions. The unique blend of sized particulate and fibrous bridging materials is designed to rapidly bridge and seal pore throats, micro-fractures, and fine-to-medium fracture networks encountered while drilling.

When introduced into the drilling fluid system, SABER STAR™ forms a durable, low-permeability filter cake that effectively reduces fluid invasion and minimizes continued losses. The resulting seal exhibits excellent mechanical strength and resistance to erosion, helping maintain wellbore stability and prevent the seal from being washed away by circulating fluids.

SABER STAR™ is easily mixed using conventional rig-site mixing equipment and is compatible with a wide range of water-based drilling fluid systems. Its optimized particle-size distribution provides reliable bridging performance while maintaining favorable rheological characteristics.

LABORATORY PERFORMANCE EVALUATION

CONCENTRATION	READINGS								
	600 RPM	300 RPM	200 RPM	100 RPM	6 RPM	3 RPM	PV	YP	API FLUID LOSS (mL)
Base Mud	13	8	6	4	2	1	5	3	NC
1 lb/bbl SABER STAR™	31	21	16	11	5	3	10	11	9
3 lb/bbl SABER STAR™	58	43	34	26	13	11	15	28	7
5 lb/bbl SABER STAR™	85	61	50	36	14	12	24	37	6
7 lb/bbl SABER STAR™	106	82	67	48	17	15	24	58	6

KEY BENEFITS

- Effective control of seepage and partial losses in fine-to-medium fractures
- Forms a tough, resilient sealing layer resistant to erosion and washout
- Proprietary multi-component blend provides improved bridging efficiency
- Easily mixed with standard rig equipment
- Compatible with conventional drilling fluid systems
- Helps reduce non-productive time associated with lost circulation events

TYPICAL PROPERTIES

PROPERTY	TYPICAL VALUE
Appearance	Beige to Gray Blend
Acid Solubility	50–75%
Hygroscopic	No
Treatment Range	.5–2 ppb

PACKAGING

SABER STAR™ is supplied in 25 lb moisture-resistant sacks, packaged 80 sacks per pallet for convenient handling and field application.