Soltex® Additive

Soltex® Additive is a sodium asphalt sulfonate made water soluble by a unique sulfonation process. It is a versatile, total mud conditioner that stabilizes shale formations, significantly increases lubricity, and lowers HTHP water loss. Soltex® Additive enhances filter cake properties in both oil-based and water-based muds. For over 50 years, the unique chemistry of Soltex® Additive has delivered extraordinary results in both water-based and oil-based muds.

Special Information
Soltex® Additive is consumed on drilled solids and on the well bore. It is advisable to add 50% more Soltex® Additive one day following the initial treatment to ensure adequate concentration.

Advantages

- Controlled water and oil solubility to effect best chemical and physical performance
- Minimizes damage to productive formations
- Reacts with shale to prevent or stop sloughing and swelling
- Significantly increases lubricity; either alone or synergistically with small amounts of oils and synthetics
- Environmentally acceptable - is used on land and offshore
- Extremely temperature stable - does not have the softening point typically associated with un-reacted asphaltic additives
- Inhibits dispersion of drilled solids
- Minimal and easily distinguishable fluorescence - does not hamper well logging or core analysis
- Will not leave oil slick, sheen or rainbow on water at offshore locations
- No emulsifiers needed to ensure proper mixing
- Stable in Drilling Applications to 500 °F.

Cost

Versatility makes Soltex® Additives more cost-effective than materials having limited applications. Total drilling costs can be reduced if well-bore condition is improved.

Mud Types

Most water-based and all oil-based and synthetic muds

Mixing Requirements

Conventional hopper when chlorides do not exceed 60,000 ppm. When adding to high salinity systems, pre-wetting Soltex® Additive with fresh water by adding through chemical barrel may give best results. If mixing system requires, DSCo™ Defoam may be added to prevent surface foam.

Handling

For specific instruction on handling, refer to the MSDS

Packaging

50-pound, multiwall paper sacks

Application	Material Needed
Stabilize shale formations	3.0 to 6.0 ppb (9.0 to 17.0 kg/m^3)
Impart significant lubricity	1.0 to 3.0 ppb (3.0 to 9.0 kg/m^3)
Reduce torque and drag	1.0 to 3.0 ppb (3.0 to 9.0 kg/m^3)
Control HTHP fluid loss in water-based & oil-based muds	2.0 to 6.0 ppb (6.0 to 17.0 kg/m^3)
Produce thin, strong compressible wall cakes	2.0 to 4.0 ppb (6.0 to 11.0 kg/m^3)
Emulsify oil into water based mud systems	0.5 to 3.0 ppb (2.0 to 9.0 kg/m^3)
Control shear strengths and increase thermal stability	2.0 to 6.0 ppb (6.0 to 17.0 kg/m^3)
General hole conditioning (differential sticking, etc.)	2.0 to 6.0 ppb (6.0 to 17.0 kg/m^3)