Product Bulletin

SOLTEX E

P1208.2102

WBM/OBM Drilling

Product Description

SOLTEX E Additive is a sodium asphalt sulfonate made water soluble by a unique sulfonation process.

Features and Benefits

Minimizes formation damage. Reacts with shale to prevent or stop sloughing and swelling. Significantly increases lubricity; either alone or synergistically with base oils. Environmentally acceptable: can be 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. Will not leave oil slick o sheen on water at offshore locations. No emulsifiers needed to ensure proper mixing.

International Shipping References

Transportation of SOLTEX E is not restricted by any regulatory agency.

Safe Handling Recommendations

Utilize normal precautions for employee protection when handling chemical products. Utilize appropriate respirator, gloves, goggles and apron. Refer to the Material Safety Data Sheet (MSDS) for this product prior to use.

Typical Physical Properties

- Physical State: Solid
- Max Temperature: 0
- Reservoir Compatible: Non-Reservoir
- Category: Shale Stabilizers
- Sub Category:
- Product Tier: Regular
- SG value: 0
- Appearance: Dark brown to black free flowing powder
- Bulk Density Kg/m³: 800 - 1000

Product Function

It is a versatile, total mud conditioner that stabilizes shale formations, significantly increases lubricity, and lowers HTHP water loss. SOLTEX E enhances filter cake properties in both oil based and water-based muds.

Recommended Treatment

SOLTEX E is normally added in concentrations of 3–6 lb/bbl (8.5–17.2 kg/m3) to stabilize troublesome shales. Conventional hopper when chlorides do not exceed 60,000 ppm. When adding to high salinity systems, premixing SOLTEX E with fresh water by adding through chemical barrel will give best results. If mixing system requires, a defoamer may be added to prevent surface foam. SOLTEX E will be depleted by drilled solids and the wellbore face, then it is advisable to add 50% more product one day following the initial treatment to ensure adequate concentration.

Standard Packing

SOLTEX E is packaged in 50 lbs multiwall paper sack.

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