SULFATROL *XCEED*

Stabilize shales and improve wellbore stability

Application

- Water-based drilling fluids
  - Fresh water to saturated salt systems
- Invert emulsion drilling fluids

Features and benefits

- Inhibits shale and clay swelling
  - Minimizes solids dispersion and dilution rates
  - Has minimal effects on fluids rheology
  - Improves wellbore stability
- Can be used as a filtration control additive in invert emulsion drilling fluids
- Greater than 65% water solubility
- Reduces torque and drag
- Stable at temperatures up to 400°F (204°C)
  - Superior performance in HP/HT environments

The **SULFATROL™ *XCEED* shale inhibitor** is a sulfonated asphalt primarily used for shale stabilization. SULFATROL *XCEED* also reduces high-pressure/high-temperature (HP/HT) filtration and improves wellbore stability in water- and oil-based drilling fluids.

SULFATROL *XCEED* additive can be used in fresh to saturated salt systems. It is predominantly water-soluble (greater than 65%) but can also be used as a filtration control additive in invert emulsion drilling fluids.

Recommended treatment

For borehole stability in water-based drilling fluid systems, SULFATROL *XCEED* is added at concentrations ranging between 2.0 and 6.0 lb/bbl (5.7 and 17.2 kg/m^3). Pilot testing is recommended if SULFATROL *XCEED* is used as filtration control additive in invert emulsion drilling fluids.

Environmental information

For information concerning environmental regulations applicable to this product, contact the Health, Safety, and Environmental department of Baker Hughes.

Shipping

Transportation of the SULFATROL *XCEED* shale inhibitor is not restricted by either international or United States regulatory agencies.

Safe handling recommendations

Use normal precautions for employee protection when handling chemical products. See Safety Data Sheet (SDS) prior to use.

Packaging

SULFATROL *XCEED* is packaged in 50-lb (22.7-kg) multi-walled bags.

Typical properties	
Appearance	Black powder
Specific gravity	0.8 to 1.0
pH	8.5

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