

ASPHASOL SUPREME

ASPHASOL SUPREME shale inhibitor is a partially water-soluble, water-dispersible sulfonated asphalt. It is used to aid in stabilizing shale sections, controlling solids dispersion and improving wall-cake characteristics. It is also used as a supplemental high-temperature fluid-loss additive for water-base drilling fluid systems.*

Typical Physical Properties

Physical appearance.....	Fine black/gray powder
Odor	Mild sulfur
Specific gravity	0.90 – 0.96 @ 77°F
pH (1% solution).....	9.12
Solubility in water	71% soluble in water @ 72°F

Applications

ASPHASOL SUPREME additive is a sulfonated asphalt that can be used in most water-base muds. It is a free-flowing powder and can be added directly to the mud system through the mixing hopper. It is not necessary to premix ASPHASOL SUPREME inhibitor with oil. It contains no surfactants.

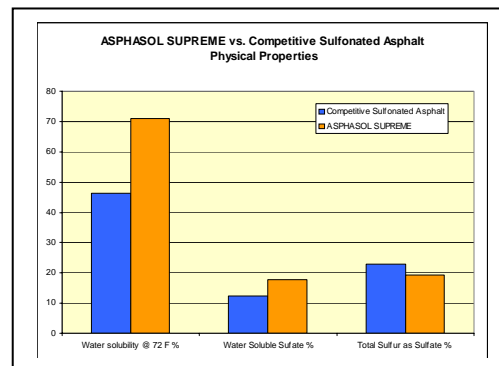
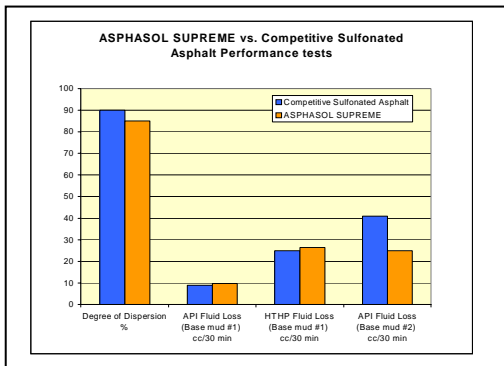
Normal concentrations of ASPHASOL SUPREME additive range from 3 to 6 lb/bbl (8.6 to 17.1 kg/m³) for shale stabilizing control and 6 lb/bbl (17.1 kg/m³) for high-temperature fluid-loss control.

In water-base drilling fluid systems, ASPHASOL SUPREME inhibitor exhibits the following characteristics:

- Stabilizes shales
- Lowers torque and drag
- Reduces high-temperature fluid loss
- Produces thin-walled filtercakes
- Improves bore hole stability

Advantages

- Easy to handle and mix
- Plugs micro-fractures and seals shales
- Inhibits swelling and water-wetting of shales
- Reduces high-temperature, high-pressure (HTHP) fluid loss
- Reduces torque and drag
- Improves filtercake quality
- Increases drilling-fluid lubricity



Toxicity and Handling

Bioassay information is available upon request.

Handle as an industrial chemical, wearing protective equipment and observing the precautions as described in the Material Safety Data Sheet (MSDS).

Packaging and Storage

ASPASOL SUPREME inhibitor is available in 50 lb (22.7-kg), multi-wall sacks; 50 sacks per shrink-wrapped pallet.

Store in dry, well-ventilated area. Keep container closed. Store away from incompatibles. Follow safe warehousing practices regarding palletizing, banding, shrink-wrapping and/or stacking.

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