

# ASPHASOL<sup>®</sup> 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
Specific gravity	0.90 – 0.96 @ 77°F
Odor	Mild sulfur
Solubility	71% soluble in water @ 72°F
pH	9.12 (1% solution)

## APPLICATIONS

ASPHASOL SUPREME 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 with oil. It contains no surfactants.

Normal concentrations of ASPHASOL SUPREME range from 3 to 6 lb/bbl for shale stabilizing

control and 6 lb/bbl for high-temperature fluid-loss control.

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

- Stabilizes shales.
- Lowers torque and drag.
- Reduces high-temperature fluid loss.
- Produces thin-walled filter cakes.
- Improves borehole stability.

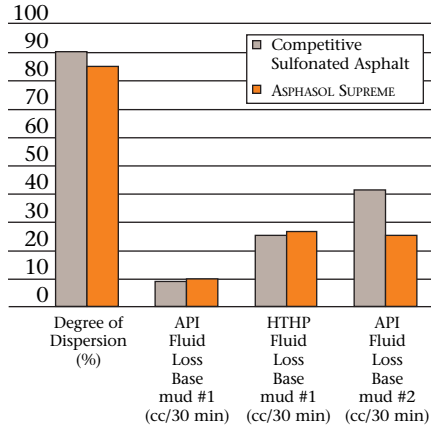


## ADVANTAGES

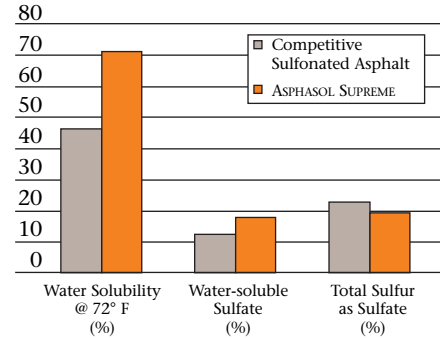
- Easy to handle and mix.
- Plugs micro-fractures and seals shales.
- Inhibits swelling and water-wetting of shales.

- Reduces High-Temperature, High-Pressure (HTHP) fluid loss.
- Reduces torque and drag.
- Improves filter-cake quality.
- Increases drilling-fluid lubricity.

ASPHASOL SUPREME vs.  
Competitive Sulfonated Asphalt  
Performance Tests



ASPHASOL SUPREME vs.  
Competitive Sulfonated Asphalt  
Physical Properties



## TOXICITY AND HANDLING

Bioassay information is available upon request.

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

## PACKAGING AND STORAGE

ASPHASOL SUPREME is available in 50-lb multi-wall sacks; 50 sacks per shrink-wrapped pallet.

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