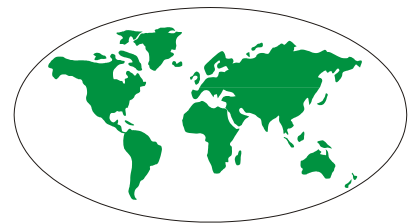


SURTECH AS-109

An economical gelling surfactant for asphalt cutback-clay systems

Surtech AS-109 is a patented*, economical gelling surfactant providing superior viscosity and stability in clay/cutback systems. Effective at high clay/surfactant ratios, this surfactant usually allows reduced clay and/or surfactant usage. Superior gel strength can be developed with either high shear or low shear mixing. **Surtech AS-109** is also an excellent adhesion promoter, often eliminating the need for a separate additive, thus resulting in lower formulation costs.



SCF
of

Typical Properties

Appearance	light amber liquid
Pour point	<10°F
Viscosity @77°F – cps (Brookfield LVF - Spindel 1 @ 6 rpm)	750-950
Weight/gallon	7.76 lbs./gal.
Specific gravity at 77°F	0.93
Flash point	>100°F

Surtech AS-109 is non-corrosive and does not adversely affect the weatherability of asphalt formulations. **Surtech AS-109** is a non-flammable, low viscosity liquid to temperatures below 32°F., and is readily incorporated into asphalt formulations.

Directions for Use

Low shear mixing: **Surtech AS-109** is added to 50 to 75% of the asphalt cutback and thoroughly mixed. Clay is added and mixing is continued. The remaining asphalt cutback is added, followed by the fillers and other formulation components.

High shear mixing: **Surtech AS-109** is added to all of the asphalt cutback and mixed with high shear. The clay is added and high shear mixing is continued until the desired viscosity is obtained. Fillers and formulation components are added at low shear.

The optimum clay/surfactant ratio is determined by varying the ratio in increments from 8:1 to 12:1, and measuring the viscosity after mixing by the appropriate procedures. A Brookfield Viscometer or Cone Penetrometer can be used.

*U. S. Patent 5,529,621

The information given herein is correct to the best of our knowledge. However, no warranty is expressed or implied regarding its accuracy or the results to be obtained from the use thereof and users should make their own tests to determine the suitability of these products for their own particular purpose. No statement in this brochure/leaflet is intended or should be construed as a recommendation to infringe any existing patent.

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Surface Chemists of Florida, Inc.
1303 Park Lane South • Jupiter, FL 33458
Tel. (561) 745-8774 • Fax (561) 745-8737
www.surfacechemists.com