



ADVITROL® 100 & ADVITROL® 50

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General Description:

Advitrol 100 & Advitrol 50 are castor-based thixotropes suitable for a wide range of solvent systems. Compared to organoclays, castor-based thixotropes are significantly more thixotropic. This means that paints and coatings formulated with castor-based thixotropes exhibit shear-thinning that does not immediately rebuild upon removal of the shear forces. This type of rheology presents several advantages, mainly in application properties. It is often said that these coatings exhibit a “buttery” feel during brushing. These thixotropes also provide a good balance between sag and leveling and usually are more effective in pigment suspension when compared to organoclay gellants.

Advitrol 50 is a more easily dispersed form of Advitrol 100, but Advitrol 50 may be somewhat less efficient than Advitrol 100.

Typical Properties:

Advitrol® -100

Composition: Castor Oil Derivative

Density: 8.48 lbs/US gal (1.02 g/cm³)

Bulking Value: 0.118 US gal/lb

Particle Size 100%<32µm

Color/Form: White Powder

Incorporation Temperature Range: Aliphatic Solvents: 130°-180°F (55°-82°C)

Aromatic Solvents: 90°-120°F (32°-49°C)

Advitrol® -50

Composition: Inorganically Extended Castor Oil Derivative

Density: 12.2 lbs/US gal (1.46 g/cm³)

Bulking Value: 0.082 US gal/lb

Particle Size 100%<32µm

Color/Form: White Powder

Incorporation Temperature Range: Aliphatic Solvents: 130°-180°F (55°-82°C)

Aromatic Solvents: 90°-120°F (32°-49°C)

Recommended Use Levels:

Advitrol 100 is typically used at levels of 3 to 12 pounds per hundred gallons, 0.2% to 0.8% by weight of the total formulation.

Advitrol 50 is typically used at levels of 4 to 18 pounds per hundred gallons 0.3% to 1.3% by weight of the total formulation.

For additional information or technical assistance contact Southern Clay Products, Inc. toll free at 800-324-2891.

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