



# Owensboro Specialty Polymers, Inc.

Chemistry that Connects, People that Care

## Technical Data Sheet

### SERFENE™ DL-96

#### Additive

##### Description

Serfene DL-96 additive is an anionic carnauba wax emulsion designed as a formulating aid for modification of aqueous polymers. Serfene DL-96 additive can be used to formulate polyvinylidene chloride (PVDC) latexes, such as the OSP Serfene product line.

##### Typical Properties\*

Solids	25%
Weight/Gallon	8.3 LBS
Viscosity	<15 cps, (Brookfield # 1 at 60 rpm)
Surface Tension	30 dynes/cm
pH	4.5
Color	Cream colored, opaque liquid
Diluents	Water
Emulsifier Charge	Anionic
Freeze/Thaw Stability	None
Recommended Shelf Life	360 days (unopened containers) @ 25°C
Storage Conditions	>40° F (5° C), <85° F (30° C)

\*These items are provided for general information only. They are approximate values and are not considered part of a production specification.

##### Typical Uses

A recommended starting formulation for PVDC latexes would be to add Serfene DL-96 additive at 3 phr on a solids/solids basis. The actual amount will depend upon specific end use requirements.

Serfene DL-96 additive is stable in formulations with an acidic pH, either as supplied or where the latex is buffered to a pH of 4.0. Note: buffering of self-adhering PVDC latex may negatively influence humid adhesion properties.

Serfene DL-96 additive is not compatible with cationic latexes.

If isopropyl alcohol is to be part of the final formulation, it should be added to the formulated latex after the Serfene DL-96 additive wax emulsion is added.