



NUMBER 4498

Strodex[®] PLF-100 Phosphate Ester Surfactant

For Waterborne Architectural Coatings

Strodex[®] PLF-100 surfactant is the neutralized (sodium salt) phosphate coester of an aliphatic alcohol. Strodex[®] PLF-100 surfactant can be used as a supplemental or codispersant to improve grind properties, pigment wetting and assist in reduction of pigment flocculation. It imparts improved gloss and color acceptance in waterborne latex paints. Strodex[®] PLF-100 surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Strodex[®] PLF-100 surfactant is particularly beneficial at wetting pigments including TiO₂, iron oxides and common extenders. Spreading and uniform coverage of paint on wet surfaces is improved by the use of Strodex[®] PLF-100 surfactant.

Typical Properties^(a)

Chemical type.....	Phosphate Ester (anionic)
Appearance	Clear liquid
Active solids, weight %	78%
Active solids, volume %	76%
Gardner Color.....	3 maximum
Viscosity ^(b) , as supplied (cps or mPa•s)	1,200 – 1,800
Density, g/mL.....	1.14
Density, lb/gal.....	9.4
pH, 10% aqueous solution.....	5.5 – 7.5
VOC content, weight %.....	6.3
VOC content, volume %.....	6.4
Flash point ^(c)	>200°F (93°C)

^(a)Values are typical properties and are not to be regarded as product specifications

^(b)Brookfield RV viscosity at 25°C (77°F), spindle #5 at 20 rpm

^(c)Tag closed cup



Product Benefits

- Excellent wetting & dispersion of pigments including iron oxides and TiO₂
- Enhances color properties
- Improved substrate wetting
- Helps prevent crawling, cratering & pinholing
- Low water sensitivity
- Inhibition of flash & nail head rusting
- May improve open time & block resistance
- Increases gloss

Recommended Use Levels

- In flat, semi-gloss and gloss paints, 2-4 pounds of Strodex[®] PLF-100 surfactant per 100 gallons of finished paint are recommended.

APEO Content

Strodex[®] PLF-100 surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Chemical Inventories

All components of Strodex[®] PLF-100 surfactant are listed on TSCA chemical inventory (USA).

Product Safety

Please read and understand the MSDS before using this product.

