

Product Data

NUMBER 4411-1

Strodex[®] PK-90 Phosphate Ester Surfactant For Waterborne Architectural Coatings

Strodex[®] PK-90 surfactant is the neutralized (potassium salt) form of a phosphate coester of aliphatic alcohols. It imparts improved gloss and color acceptance in waterborne latex paints. Depending on the formulation specifics, Strodex[®] PK-90 surfactant can also function as a supplemental dispersant to assist in reduction of pigment flocculation. Strodex[®] PK-90 surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Strodex[®] PK-90 surfactant is particularly beneficial at wetting pigments including TiO₂, iron oxides and common extenders. Spreading and uniform coverage of paint on difficult to wet surfaces are improved by the use of Strodex[®] PK-90 surfactant.

Typical Properties^(a)

Chemical type	Phosphate Ester (anionic)
Appearance	Clear liquid
Active solids, weight %	89 ± 1%
Gardner Color	1 maximum
Viscosity ^(b) , as supplied (cps or mPa-s)	5,000 - 9,000
Density, g/mL	1.45
Density, lb/gal	12.1
pH, 10% aqueous solution	7.3 – 7.7
VOC content, weight %	0.8
Flash point ^(c)	> 200°F (93°C)

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

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

^(c) Tag closed cup

(continued)

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Product Benefits

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

Recommended Use Levels

- In flat, semi-gloss and gloss paints, 2-4 pounds of Strodex[®] PK-90 surfactant per 100 gallons of finished paint are recommended.

APEO & Glycol Content

Strodex[®] PK-90 surfactant does not contain any alkyl phenol ethoxylates (APEOs). Glycols are not intentionally added or known to be present in Strodex[®] PK-90 surfactant.

Chemical Inventories

All components of Strodex[®] PK-90 surfactant are listed on TSCA chemical inventory (USA).

Product Safety

Please read & understand the MSDS before using this product.

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