



NUMBER 4411-5 (Supersedes 4411-4)

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 | 1.15 |
| Density, lb/gal..... | 12.1 |
| pH, 10% aqueous solution | 7.3 – 7.7 |
| VOC content, weight %..... | 3.0 |
| 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

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 (0.2-0.4%) 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 the TSCA (USA), and the DSL (Canada) chemical inventories. This product is EINECS compliant.

Product Safety

Please read and understand the MSDS before using this product.