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) 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

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

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(continued)
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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