Strodex™ PK-0VOC Phosphate Ester Surfactant
For Waterborne Architectural Coatings

Strodex PK-0VOC surfactant is the neutralized (potassium salt) form of a phosphate coester of aliphatic alcohols. It is designed to impart improved gloss and color acceptance in waterborne latex paints. Depending on the formulation specifics, Strodex PK-0VOC surfactant can also function as a supplemental dispersant to assist in reduction of pigment flocculation. Strodex PK-0VOC surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Strodex PK-0VOC 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-0VOC surfactant.

Typical Properties

<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>42 ± 2%</td>
</tr>
<tr>
<td>Gardner Color</td>
<td>2 maximum</td>
</tr>
<tr>
<td>Viscosity (b), as supplied (cps or mPa·s)</td>
<td>230 – 330</td>
</tr>
<tr>
<td>Density, g/mL</td>
<td>1.10</td>
</tr>
<tr>
<td>Density, lb/gal</td>
<td>9.2</td>
</tr>
<tr>
<td>pH, 10% aqueous solution</td>
<td>8.5 – 9.5</td>
</tr>
<tr>
<td>Flash point (c)</td>
<td>&gt; 200°F (93°C)</td>
</tr>
</tbody>
</table>

(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 30 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, 8-14 pounds of Strodex PK-0VOC surfactant per 100 gallons (0.8-1.4%) of finished paint are recommended.

Volatile Organic Compounds (VOCs)

Strodex PK-0VOC surfactant is formulated as solvent-free. As such, the VOC content of this product should be non-detectable using the standard U.S. EPA Reference Method 24.
APEO & Glycol Content

Strodex™ PK-0VOC surfactant does not contain any alkyl phenol ethoxylates (APEOs). Glycols are not intentionally added or known to be present in Strodex PK-0VOC 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.