Strodex™ LFK-70 Phosphate Ester Surfactant
For Waterborne Architectural Coatings

Strodex LFK-70 surfactant is the neutralized (potassium salt) form of a phosphate coester of aliphatic alcohols. It is a lower foaming phosphate ester surfactant that provides excellent wetting characteristics. Strodex LFK-70 surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Depending on the formulation specifics, Strodex LFK-70 surfactant can also function as a supplemental dispersant to assist in reduction of pigment flocculation. Spreading and uniform coverage are improved on difficult to wet surfaces by the use of Strodex LFK-70 surfactant in waterborne coatings.

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>70 ± 2%</td>
</tr>
<tr>
<td>Gardner Color</td>
<td>3 maximum</td>
</tr>
<tr>
<td>Viscosity (b)</td>
<td>&lt; 500</td>
</tr>
<tr>
<td>Density, g/mL</td>
<td>1.12</td>
</tr>
<tr>
<td>Density, lb/gal</td>
<td>9.3</td>
</tr>
<tr>
<td>pH, as is</td>
<td>8.0 - 9.0</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).
(c) Tag closed cup

Product Benefits

- Increases gloss
- Low foaming
- Excellent wetting & dispersion of pigments
- Enhances color properties
- Improved substrate wetting
- Inhibition of flash & nail head rusting
- May improve open time & block resistance

Recommended Use Levels

In flat, semi-gloss and gloss paints, 2-5 pounds of Strodex LFK-70 surfactant per 100 gallons (0.2-0.5%) of finished paint are recommended.

Volatile Organic Compounds (VOCs)

Strodex LFK-70 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™ LFK-70 surfactant does not contain any alkyl phenol ethoxylates (APEOs). Glycols are not intentionally added or known to be present in Strodex LFK-70 surfactant.

Chemical Inventories

All components of Strodex LFK-70 surfactant are listed on TSCA chemical inventory (USA).

Product Safety

Please read and understand the MSDS before using this product.