



NUMBER 4404-1 (Supersedes 4404)

Strodex™ P-100 Phosphate Ester Surfactant *For Waterborne Architectural and Alkyd Coatings*

Strodex P-100 surfactant is the free acid form of a phosphate coester of aliphatic alcohols. It improves gloss and color acceptance in waterborne latex paints. Strodex P-100 surfactant can be neutralized by the user to any degree using a number of organic or inorganic bases. When neutralized with ammonium hydroxide or volatile amines, moisture sensitivity of waterborne coatings is minimized and corrosion inhibition is enhanced.

Strodex P-100 surfactant also provides benefits in universal colorants. It helps disperse and stabilize pigments, thereby enhancing color acceptance for water-based paints tinted at the point-of-sale.

In water-reducible alkyds, Strodex P-100 improves wetting and pigment dispersion. It can also help stabilize metal driers against hydrolysis and loss of activity at elevated pH.

Typical Properties^(a)

Chemical type.....	Phosphate Ester (anionic)
Appearance.....	Clear liquid
Active solids, weight %	98 ± 1
Gardner color.	3 maximum
Viscosity ^(b) , as supplied (cps or mPa·s).....	500 - 700
Density, g/mL.....	1.04
Density, lb/gal.....	8.65
Acid number, pH 5.5.....	155 - 175
Acid number, pH 9.5.....	190 - 230
pH, 1% aqueous solution.....	1.7 - 2.2
VOC content, weight %.....	1.2
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).

^(c) Tag closed cup

Product Benefits

- Increases gloss in paint
- Improves substrate wetting
- Improves color properties
- Excellent wetting & dispersion of pigments
- Low water sensitivity
- Inhibition of flash & nail head rusting
- May improve open time & block resistance
- Helps prevent crawling, cratering, and pinholing

Recommended Use Levels

- In flat, semi-gloss and gloss paints, 2-4 pounds of Strodex P-100 surfactant per 100 gallons (0.2-0.4%) of finished paint are recommended.
- In universal colorants, 5-8% by weight of Strodex P-100 surfactant is recommended



Chemical Inventories

All components of Strodex™ P-100 surfactant are listed on TSCA chemical inventory (USA). This product is EINECS compliant.

APEO & Glycol Content

Strodex P-100 surfactant does not contain any alkyl phenol ethoxylates (APEOs). Glycols are not intentionally added or known to be present in Strodex P-100 surfactant.

Product Safety

Please read & understand the MSDS before using this product.