



NUMBER 4433-1 (Supersedes 4433)

Strodex™ MO-100 Phosphate Ester Surfactant

For Waterborne Architectural Coatings

Strodex MO-100 surfactant is the free acid form of a phosphate ester of aliphatic alcohols. It is designed to impart stability to latex paints using zinc oxide or other reactive pigments. Strodex MO-100 surfactant can be neutralized by the user to any degree using organic or inorganic basis. When neutralized with ammonium hydroxide or volatile amines, the moisture sensitivity of waterborne coatings is minimized and corrosion inhibition is enhanced.

Spreading and uniform coverage are improved on difficult to wet surfaces by the use of Strodex MO-100 in waterborne coatings improving gloss and color acceptance. Strodex MO-100 can also function as supplemental dispersant to assist in reduction of pigment flocculation. Strodex MO-100 does not contain any alkyl phenol ethoxylates (APEOs).

Typical Properties^(a)

Chemical type.....	Phosphate Ester (anionic)
Appearance.....	amber liquid
Active solids, weight %.....	98 ± 1%
Gardner Color.....	14 maximum
Viscosity ^(b) , as supplied (cps or mPa-s).....	1,000 – 1,600
Specific gravity, g/mL at 25°C.....	1.08
Density, lb/gal.....	9.0
pH, 1% aqueous solution.....	1.7 – 2.2
Flash point ^(c)	> 160°F (71°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 20rpm.

^(c) Tag closed cup

Product Benefits

- Increases gloss
- Stabilizes ZnO pigments
- Enhances color properties
- Improved substrate wetting
- Excellent wetting & dispersion of pigments
- Low water sensitivity in paint
- Improved heat stability in paint
- Inhibits flash & nail head rusting
- Helps prevent crawling, cratering & pinholing

Recommended Use Levels

- In flat, semi-gloss and gloss paints, 2-4 pounds of Strodex MO-100 surfactant per 100 gallons of finished paint are recommended.



Chemical Inventories

All components of Strodex MO-100 surfactant are listed on TSCA chemical inventory (USA).

APEO & Glycol Content

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

Product Safety

Please read and understand the MSDS before using this product.