



NUMBER 4430-1 (Supersedes 4430)

Dextrol™ OC-4025 Phosphate Ester Surfactant *For Emulsion Polymerization and Waterborne Architectural Coatings*

Dextrol OC-4025 surfactant is the neutralized (ammonium salt) form of an ethoxylated tridecyl alcohol phosphate ester. In emulsion polymerization, Dextrol OC-4025 is an effective emulsifier that provides efficient particle size control, low coagulum and improved handling and storage stability.

Dextrol OC-4025 surfactant is the most hydrophobic neutralized product in the Dextrol line and is effective in the production of all common latex types including, vinyl, vinyl acrylic, vinyl acetate ethylene (VAE), acrylic and styrene acrylic.

Dextrol OC-4025 surfactant can also improve gloss and enhance pigment dispersion and color acceptance in waterborne latex paints. Dextrol OC-4025 does not contain any alkyl phenol ethoxylates (APEOs).

Typical Properties^(a)

Chemical type.....	Phosphate Ester (anionic)
Appearance.....	Clear liquid
Active solids, weight %.....	25 ± 1%
Moles of EO.....	3
Gardner Color.....	3 maximum
Viscosity ^(b) , as supplied (cps or mPa·s).....	200 - 1,000
Specific gravity, g/mL at 25°C	1.02
Density, lb/gal.....	8.5
pH, 1% soln	7.5 - 8.5
VOC content ^(c) , weight %.....	4.5
Flash point ^(d)	> 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) US EPA method 24

^(d) Tag closed cup

Product Benefits

- Low coagulum in finished latex
- Improves stability of finished latex
- Low water sensitivity
- Enhances color properties
- Reduced color float
- Increases gloss in paint
- excellent wetting and dispersion of pigments
- Improved substrate wetting
- Inhibition of flash & nail head rusting



Recommended Use Levels

- In emulsion polymerization, Dextrol™ OC-4025 surfactant is typically used at 5-10% by weight on total monomers.
- In flat, semi gloss, and gloss paints, 6-12 pounds of Dextrol OC-4025 surfactant per 100 gallons of finished paint are recommended.

Chemical Inventories

All components of Dextrol OC-4025 surfactant are listed on the TSCA chemical inventory (USA).

APEO Content

Dextrol OC-4025 surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Product Safety

Please read and understand the MSDS before using this product.