



NUMBER 4405-2 (Supersedes 4405-1)

Dextrol™ OC-6025 Phosphate Ester Surfactant *For Emulsion Polymerization*

Dextrol OC-6025 surfactant is the neutralized (ammonium salt) form of an ethoxylated aliphatic alcohol phosphate ester. In emulsion polymerization, Dextrol OC-6025 is an effective emulsifier that provides efficient particle size control, low coagulum and improved handling and storage stability.

Dextrol OC-6025 surfactant is effective in the production of all common latex types including, vinyl, vinyl acrylic, vinyl acetate ethylene (VAE), acrylic and styrene acrylic. It can also impart improved gloss and color acceptance to waterborne latex paints formulated with these resins.

Dextrol OC-6025 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	6
Gardner Color.....	3 maximum
Viscosity ^(b) , as supplied (cps or mPa·s).....	300 - 1,200
Density, g/mL.....	1.02
Density, lb/gal.....	8.5
pH, as is.....	7.5 - 8.5
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

- Low coagulum in finished latex
- Improves stability of finished latex
- Enhances color properties
- Inhibition of flash & nail head rusting
- Increases gloss in paint
- Improved substrate wetting

Recommended Use Levels

- In emulsion polymerization, Dextrol OC-6025 surfactant is typically used at 5-10% by weight on total monomers.

Chemical Inventories

All components of Dextrol OC-6025 surfactant are listed on the TSCA chemical inventory (USA).



Volatile Organic Compounds (VOCs)

Dextrol™ OC-6025 surfactant is formulated as solvent-free. As such, the VOC content of this product should be non-detectable using the U.S. EPA Reference Method 24.

APEO & Glycol Content

Dextrol OC-6025 surfactant does not contain any alkyl phenol ethoxylates (APEOs). Glycols are not intentionally added or known to be present in Dextrol OC-6025 surfactant.

Product Safety

Please read and understand the MSDS before using this product.