



**NUMBER 4400-4** (Supersedes 4400-3)

## **Dextrol™ OC-60 Phosphate Ester Surfactant** *For Emulsion Polymerization and Waterborne Architectural Coatings*

Dextrol OC-60 surfactant is the free acid form of a tridecyl alcohol ethoxylated phosphate ester. It is an effective emulsifier in emulsion polymerization and provides the finished latex with low coagulum and improved handling and storage stability. Dextrol OC-60 surfactant can be neutralized by the user to any degree using a number of organic or inorganic bases. Dextrol OC-60 surfactant can also impart improved gloss and color acceptance in waterborne latex paints. Dextrol OC-60 surfactant does not contain any alkyl phenol ethoxylates (APEOs).

### **Typical Properties\***

Chemical type.....	Phosphate Ester (anionic)
Appearance .....	Clear to hazy liquid
Active solids, weight % .....	.97 ± 1%
Moles of EO .....	.6
Gardner Color.....	6 maximum
Viscosity <sup>(b)</sup> , as supplied (cps or mPa•s).....	600-1,000
Density, g/mL .....	1.06
Density, lb/gal .....	8.8
Acid number, pH 5.5 .....	75-95
Acid number, pH 9.5. ....	125-150
pH, 10% aqueous solution .....	1.5-2.5
VOC content, weight % .....	Not detectable
Flash point(c). ....	>200°F (93°C)

<sup>(a)</sup>Values are typical properties and are not to be regarded as product specifications.

<sup>(b)</sup>Brookfield RVT viscosity at 25°C (77°F).

<sup>(c)</sup>Tag closed cup

### **Product Benefits**

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

### **Recommended Use Levels**

- In emulsion polymerization, Dextrol OC-60 surfactant is typically used at 1.5-3% by weight on total monomers.
- In flat, semi-gloss and gloss paints, 2-4 pounds of Dextrol OC-60 surfactant per 100 gallons (0.2-0.4%) of finished paint are recommended.

### **Chemical Inventories**

All components of Dextrol OC-60 surfactant are listed on TSCA chemical inventory (USA). This product is EINECS compliant.



## **Volatile Organic Compounds (VOCs)**

Dextrol OC-60 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 and Glycol Content**

Dextrol OC-60 surfactant does not contain any alkyl phenol ethoxylates (APEOs). Glycols are not intentionally added or known to be present in Dextrol OC-60 surfactant.

## **Product Safety**

Read and understand the Material Safety Data Sheet (MSDS) before using this product.