

## *Product Data*

NUMBER 4406-2

### **Strodex<sup>®</sup> LFK-70 Phosphate Ester Surfactant For Waterborne Architectural Coatings**

**Strodex<sup>®</sup> LFK-70** surfactant is the neutralized (potassium salt) form of a phosphate coester of aliphatic alcohols. It exhibits lower foaming compared to alternate phosphate esters while still providing similar wetting characteristics. Strodex<sup>®</sup> LFK-70 surfactant does not contain any alkyl phenol ethoxylates (APEOs).

Depending on the formulation specifics, Strodex<sup>®</sup> LFK-70 surfactant can also function as a supplemental dispersant to assist in reduction of pigment flocculation. Spreading and uniform coverage are improved on difficult to wet surfaces by the use of Strodex<sup>®</sup> LFK-70 surfactant in waterborne coatings.

#### **Typical Properties<sup>(a)</sup>**

Chemical type .....	Phosphate Ester (anionic)
Appearance.....	Clear liquid
Active solids, weight %.....	70 ± 2%
Gardner Color .....	3 maximum
Viscosity <sup>(b)</sup> , as supplied (cps or mPa-s).....	< 500
Density, g/mL .....	1.12
Density, lb/gal.....	9.3
pH, as is .....	8.0 - 9.0
Flash point <sup>(c)</sup> .....	> 185°F (85°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

(continued)

Hercules Incorporated and its Aqualon subsidiary (together referred to as "Hercules") believes that all information provided with respect to its products is accurate at the time such information is provided. Unless otherwise agreed, Hercules makes no express, implied, or other representation, warranty, or guarantee concerning such information or the handling, use, or application of its products, whether alone or in combination with other products, except that its products are of Hercules' standard quality. Users of Hercules' products are advised to perform their own tests to determine the safety and suitability of each such product or product combination. Users are urged to read and understand the Material Safety Data Sheet (MSDS) and to abide by all use and safety recommendations detailed therein and on all product labeling. Hercules does not recommend the use of its products in any manner which would violate any patent or intellectual property rights. Unless otherwise agreed, the purchasers of Hercules' products assume all responsibility and liability for all loss or damage arising from the improper handling or use of our products. This disclaimer supersedes any prior or different disclaimers for this product.



**Product Benefits**

- Increases gloss
- Low foaming
- Excellent wetting & dispersion of pigments
- Enhances color properties
- Improved substrate wetting
- Inhibition of flash & nail head rusting
- May improve freeze-thaw resistance
- May improve open time & block resistance

**Recommended Use Levels**

- In flat, semi-gloss and gloss paints, 2-5 pounds of Strodex<sup>®</sup> LFK-70 surfactant per 100 gallons of finished paint are recommended.

**Volatile Organic Compounds (VOCs)**

Strodex<sup>®</sup> LFK-70 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 & Glycol Content**

Strodex<sup>®</sup> LFK-70 surfactant does not contain any alkyl phenol ethoxylates (APEOs). Glycols are not intentionally added or known to be present in Strodex<sup>®</sup> LFK-70 surfactant.

**Chemical Inventories**

All components of Strodex<sup>®</sup> LFK-70 surfactant are listed on TSCA chemical inventory (USA).

**Product Safety**

Please read & understand the MSDS before using this product.

Dextrol<sup>®</sup> and Strodex<sup>®</sup> are registered trademarks of Hercules Incorporated

08-08

© Hercules Incorporated, 2008