

**Technical Bulletin****SURFOL<sup>®</sup> 1416 Fatty Alcohol****PRODUCT DESCRIPTION**

SURFOL<sup>®</sup> 1416 fatty alcohol is a blend of tetradecanol and hexadecanol. The product is a white, waxy solid at room temperature and has the mild odor characteristic of fatty alcohols.

**APPLICATIONS**

- Intermediate in manufacture of synthetic nonionic and anionic surfactants

**SALES SPECIFICATIONS**

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Alcohol Distribution, wt%		GC
C <sub>12</sub> & lower	3 max.	
C <sub>14</sub>	57 - 67	
C <sub>16</sub>	29 - 43	
C <sub>18</sub> & higher	1 max.	
Acidity, wt% as acetic acid	0.08 max.	VM
Carbonyl content, ppm, as C=O	200 max.	VM
Color, Pt-Co	40 max.	ST-30.12
Hydrocarbon Content, wt%	1 max.	VM
Hydroxyl Value, mg KOH/g	245 - 255	VM
Iodine Value, cg I <sub>2</sub> /g	0.8 max.	VM
Saponification Number, mg KOH/g	1.5 max.	VM
Water, wt%	0.1 max.	ST-31.53

**ADDITIONAL INFORMATION****Chemical Properties**

Molecular Weight (theoretical) 224

**Regulatory Information**

See SDS for all regulatory information

**Typical Properties**

Flash point, PMCC, °F	310
Flash point, PMCC, °C	154
Freezing point, °F	97
Freezing point, °C	36
Density, g/ml, 25°C (77°F)	0.825
Weight, lbs/US gal, 25°C (77°F)	6.88

**TOXICITY AND SAFETY**

For information on the toxicity and safe handling of this product, please read the Safety Data Sheet prior to use of the product.

**HANDLING AND STORAGE**

SURFOL<sup>®</sup> 1416 fatty alcohol is noncorrosive to most commonly used materials for construction. Storage and transfer in mild steel, stainless steel, or solvent-resistant equipment is recommended. Precaution against water contamination in storage and handling equipment should be taken by blanketing with an inert gas or dry air. Any rust contamination can lead to a color increase.

**SHIPPING DATA**

Product is available in drums of 360 pounds (160 kilograms) net weight.

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