



## Technical Data Sheet

### Description

Sasol North America's ALFOL® 16NF Alcohol is high purity petrochemical-based 1-tetradecanol (also known as myristyl or tetradecyl alcohol). ALFOL® 16NF Alcohol is a white solid with a sweet pungent odor. ALFOL® 16NF Alcohol is classified as rapidly biodegradable in standard ready biodegradability tests.

Sasol's ALFOL® Alcohols are physically and chemically equivalent to corresponding oleochemical-based alcohols derived from such sources as coconut oil or palm oil.

### Applications

ALFOL® 16NF Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 16NF Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 16NF Alcohol can be used directly in numerous personal care and technical formulations.

### Contact Information

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### Properties

Typical physical properties are listed in the table below. Actual properties will vary from lot to lot.

Typical Properties	ALFOL® 16NF
Average Molecular Wt.	242
Total Alcohol, wt. %	>98
Homolog Distribution, wt. %	
C14OH & Lower	<3
C16OH	>96
C18OH & Higher	<3
Water, wt. %	0.1
Hydroxyl Number, mg KOH/g	226 - 235
Carbonyl, ppm	<300
Acid Value	<0.1
Iodine Number	<0.5
Saponification Number	<1
Color, APHA	<25
Specific Gravity, @ 125°F	0.813
Flash Point, °C, (°F)	148.8 (300)
Melting Range, °C, (°F)	45-50 (113-122)
Boiling Range, °C, (°F)	330-332.7 (626-631)
Viscosity, cSt @ 50°C	18
Appearance, Room Temperature	White solid
Vapor Density, Air = 1	5 - 9
Solubility (water)	insoluble
INCI Name	Cetyl Alcohol

ALFOL is a registered trademark of Sasol North America Inc.

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For detailed safety and handling information regarding these products, please refer to the respective Sasol North America Material Safety Data Sheet.