



## Technical Data Sheet

### Description

Sasol North America's ALFOL® 1014 CDC Alcohol is high purity petrochemical-based 1-tetradecanol (also known as myristyl or tetradecyl alcohol). ALFOL® 1014 CDC Alcohol is a white solid with a sweet pungent odor. ALFOL® 1014 CDC 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® 1014 CDC Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1014 CDC Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1014 CDC Alcohol can be used directly in numerous personal care and technical formulations.

### Contact Information

For technical information:

#### Sasol North America

Product Steward

2201 Old Spanish Trail

Westlake, Louisiana 70669

Telephone: (337)494-4133

Fax: (281)368-0819

[TDS.ProductSteward@us.sasol.com](mailto:TDS.ProductSteward@us.sasol.com)

For sales and pricing information contact a sales representative at:

#### Sasol North America

900 Threadneedle

Houston, TX 77079-2990

Telephone: (281)588-3000

Fax: (281)368-1531

[info@us.sasol.com](mailto:info@us.sasol.com)

### Properties

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

Typical Properties	ALFOL® 1014 CDC
Average Molecular Wt.	186
Total Alcohol, wt. %	>98
Homolog Distribution, wt. %	
C8OH & Lower	<1
C10OH	27 - 33
C12OH	35 - 41
C14OH	28 - 34
C16OH & Higher	<2
Water, wt. %	0.15
Hydroxyl Number, mg KOH/g	295 - 309
Carbonyl, ppm	123
Acid Value	<2
Iodine Number	<0.3
Saponification Number	<1
Color, APHA	<30
Specific Gravity, @ 72°F	0.836
Flash Point, °C, (°F)	121.1 (250)
Melting Range, °C, (°F)	5-7.2 (41-45)
Boiling Range, °C, (°F)	232.2-285 (450-545)
Viscosity, cSt @ 38°C	12.5
Appearance, Room Temperature	Clear colorless liquid
Vapor Pressure, mmHg @ 21 °C	<0.1
Vapor Density, Air = 1	7.4

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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.