



Description

Sasol North America's ALFOL® 1618 Alcohol is high purity petrochemical-based 1-tetradecanol (also known as myristyl or tetradecyl alcohol). ALFOL® 1618 Alcohol is a white solid with a sweet pungent odor. ALFOL® 1618 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® 1618 Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1618 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1618 Alcohol can be used directly in numerous personal care and technical formulations.

Properties

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

Typical Properties	ALFOL® 1618
Average Molecular Wt.	256
Total Alcohol, wt. %	>96.8
Homolog Distribution, wt. %	
C14OH & Lower	<2
C16OH	51 - 62
C18OH	32 - 42
C20OH	<6
Hydroxyl Number, mg KOH/g	210 - 223
Iodine Number	<0.2
Saponification Number	<1
Color, APHA	<40
Specific Gravity, @ 60°F	0.840
Flash Point, °C, (°F)	162.7 (325)
Melting Range, °C, (°F)	43.3-48.8 (110-120)
Boiling Range, °C, (°F)	331.1-350 (628-662)
Viscosity, cSt @ 50°C	15
Appearance, Room Temperature	White solid
Vapor Pressure, mmHg @ 21 °C	0.1
Vapor Density, Air=1	7.4
Water, wt %	<0.2
Carbonyl, ppm	180
INCI Name	Cetearyl Alcohol

Contact Information

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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.