

ALFOL® 1618AI Alcohol

Technical Data Sheet

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Description

Sasol North America's ALFOL® 1618AI is a high purity petrochemical-based alcohol. ALFOL® 1618AI alcohol is a blend of cetyl alcohol and stearyl alcohol. ALFOL® 1618AI 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® 1618AI Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1618AI Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1618AI 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® 1618AI
Average Molecular Wt.	256
Total Alcohol, wt. %	≥97.7
Homolog Distribution, wt. %	
C14OH & Lower	≤1
C16OH	5 - 10
C18OH	≥90
C20OH & Higher	≤3.7
Acid Number	≤1
Hydroxyl Number, mg KOH/g	203 - 213
Iodine Number	≤2
Saponification Number	<1
Color, APHA	≤40
Specific Gravity, @ 50°C	0.8117
Flash Point, °C, (°F)	162.7 (325)
Melting Range, °C, (°F)	52 (126)
Boiling Range, °C, (°F)	331.1-350 (628-662)
Viscosity, cSt @ 50°C	11.665
Appearance, Room Temperature	White solid
Vapor Pressure, mmHg @ 21 °C	0.1
Vapor Density, Air=1	7.4
Water, wt %	≤0.1
Carbonyl, ppm	≤200
INCI Name	Cetearyl Alcohol

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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.

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