

ALFOL® 1218DCBA Alcohol

Technical Data Sheet

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Description

Sasol North America's ALFOL® 1218DCBA Alcohol is high purity petrochemical-based linear primary alcohol with even-numbered carbon chain length. ALFOL® 1218DCBA Alcohol is a blend of alcohols with carbon chain length ranging from C12 to C18. It is a colorless liquid with a sweet pungent odor. ALFOL® 1218DCBA Alcohol is classified as rapidly biodegradable in standard ready biodegradability tests.

Sasol's ALFOL® Alcohols are physically and chemically equivalent to corresponding oleochemical-

Applications

ALFOL® 1218DCBA Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1218DCBA Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1218DCBA 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® 1218DCBA
Average Molecular Wt.	214
Total Alcohol, wt. %	>97.5
Homolog Distribution, wt. %	
C10 and Lower	≤2
C12OH	36 - 42
C14OH	28 - 34
C16OH	16 - 22
C18OH	9 - 13
C20OH	<2.3
Water, wt. %	<0.1
Hydroxyl Number, mg KOH/g	255 - 268
Carbonyl, C=O, ppm	250
Acid Number	<1
Iodine Number	<1
Saponification Number	<1
Color, APHA	<40
Specific Gravity, @ 72°F	0.8072
Flash Point, °C, (°F)	135 (275)
Melting Range, °C, (°F)	20-23 (68-73)
Boiling Range, °C, (°F)	274-349 (525-660)
Viscosity, cSt @ 100°F	15
Appearance, Room Temperature	Clear colorless liquid
Vapor Pressure, mmHg @ 21 °C	<0.1

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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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