

ALFOL® 1216CO-O Alcohol

Technical Data Sheet

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Description

Sasol North America's ALFOL® 1216CO-O Alcohol is high purity petrochemical-based linear primary alcohol with even-numbered carbon chain length. ALFOL® 1216CO-O Alcohol is a blend of alcohols with carbon chain length ranging from C12 to C16. It is a colorless liquid with a sweet pungent odor. ALFOL® 1216CO-O 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® 1216CO Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1216CO Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1216CO 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® 1216CO
Average Molecular Wt.	203
Total Alcohol, wt. %	>98
Homolog Distribution, wt. %	
C10 and Lower	≤1.5
C12OH	65 -75
C14OH	21 - 30
C16OH	4 - 8
C18OH and Higher	<0.5
Water, wt. %	<0.1
Hydroxyl Number, mg KOH/g	280 - 290
Carbonyl, C=O, ppm	250
Acid Number	<0.1
Iodine Number	<0.3
Saponification Number	<0.5
Color, APHA	<10
Specific Gravity, @ 20°C	0.8072
Flash Point, °C, (°F)	129.4 (265)
Melting Range, °C, (°F)	21-26 (70 - 79)
Boiling Range, °C, (°F)	267.7-311.1 (514-592)
Viscosity, cSt @ 40°C	14.66
Vapor Density, Air = 1	7.4
Appearance, melted	Clear colorless liquid

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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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