



Description

Sasol North America's ALFOL® 1416GC Alcohol is high purity petrochemical-based alcohol. ALFOL® 1416GC Alcohol is a clear color-less liquid when melted with a sweet pungent odor. ALFOL® 1416GC is a blend of 1-tetradecanol and 1-hexadecanol. ALFOL® 1416GC 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® 1416GC Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1416GC Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1416GC 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® 1416GC
Average Molecular Wt.	222
Total Alcohol, wt. %	≥97.8
Homolog Distribution, wt. %	
C10OH & Lower	≤1
C12OH	3.5 – 7.5
C14OH	60 - 66
C16OH	28.5 – 34.5
C18OH & Higher	≤2
Water, wt. %	≤0.1
Hydroxyl Number, mg KOH/g	245 - 260
Carbonyl, C=O ppm	110
Acid Value, as acetic	≤0.1
Iodine Number	≤0.5
Saponification Number	≤1
Color, APHA	≤30
Density, @ 40°C	0.8095
Flash Point, °C, (°F),	152 (305)
Melting Range, °C, (°F)	37 - 45 (98 - 113)
Boiling Range, °C, (°F)	305 - 337 (582 - 638)
Viscosity, cSt @ 40°C	11.6
Appearance, Room Temperature	White solid

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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.