

ALFOL® 1214HA Alcohol

Technical Data Sheet

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Description

Sasol North America's ALFOL® 1214HA Alcohol is a high purity petrochemical-based linear primary alcohol. It is a mixture dodecanol and tetradecanol. ALFOL® 1214HA Alcohol is a colorless liquid with a sweet pungent odor. ALFOL® 1214HA 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® 1214HA Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1214HA Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1214HA 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® 1214HA
Average Molecular Wt.	195
Total Alcohol, wt. %	≥98
Homolog Distribution, wt. %	
C10OH & Lower	≤2
C12OH	79 - 89
C14OH	11 - 21
C16OH & Higher	<2
Water, wt. %	<0.1
Hydroxyl Number, mg KOH/g	290 - 300
Carbonyl, as c=o, ppm	<90
Acid Number, mg KOH/g	<0.1
Iodine Number	<0.5
Saponification Number	≤1
Color, APHA	≤10
Specific Gravity, @ 20°C	0.8334
Flash Point, °C, (°F)	129.4 (265)
Melting Range, °C, (°F)	21 - 24 (70-75)
Boiling Range, °C, (°F)	270-292 (518-558)
Viscosity, cSt @ 40°C	6.29
Vapor Density, Air = 1	7.4
Solubility (water)	Insoluble
INCI Name	Lauryl Myristyl 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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