

ALFOL® 1012HA Alcohol

Technical Data Sheet

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Description

Sasol North America's ALFOL® 1012HA Alcohol is a blend of high purity petrochemical-based linear alcohols. ALFOL® 1012HA Alcohol blend is a mixture of C10 and C12 carbon chain length alcohols. ALFOL® 1012HA Alcohol is classified as rapidly biodegradable in standard ready biodegradability tests. ALFOL® 1012HA alcohol is liquid at room temperature making it easier to handle.

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® 1012HA Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 1012HA Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 1012HA 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® 1012HA
Average Molecular Wt.	164
Total Alcohol, wt. %	>98.5
Homolog Distribution, wt. %	
C8OH & Lower	<2
C10OH	83 - 91
C12OH	5 - 9
C14OH	3 - 7
C16OH & Higher	<0.5
Water, wt. %	<0.15
Hydroxyl Number, mg KOH/g	338 - 350
Iodine Number	<0.25
Saponification Number	<1
Color, APHA	<20
Specific Gravity, @ 72°F	0.834
Flash Point, °C, (°F)	113.8 (237)
Melting Range, °C, (°F)	1.6-4.4 (35-40)
Boiling Range, °C, (°F)	218.3-273.8 (425-525)
Viscosity, cSt @ 38°C	10.4
Vapor Density, Air = 1	7.4
Solubility (water)	Insoluble
Appearance @ room temp	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.

07/25/13