

ALFOL® 610 BDE Alcohol

Technical Data Sheet

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Description

Sasol North America's ALFOL® 610 BDE Alcohol is a blend of high purity petrochemical-based linear primary alcohols. ALFOL® 610 BDE Alcohol is a clear colorless liquid with a sweet pungent odor. ALFOL® 610 BDE Alcohol is classified as rapidly biodegradable in standard ready biodegradability tests. This alcohol is insoluble in water but is soluble in alcohols, ether and benzene.

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® 610 BDE Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL® 610 BDE Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL® 610 BDE 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® 610 BDE
Average Molecular Wt.	138
Total Alcohol, wt. %	≥98.5
Homolog Distribution, wt. %	
C4OH & Lower	<0.5
C6OH	15 - 21
C8OH	31.5 – 38.5
C10OH	42 - 50
C12OH & Higher	<1
Water, wt. %	0.1
Hydroxyl Number, mg KOH/g	400 - 410
Carbonyl, ppm	50
Acid Value	<1
Iodine Number	0.1
Saponification Number	<0.3
Color, APHA	<10
Specific Gravity, @ 20°C	0.8264
Flash Point, °C, (°F)	63-79 (145-175)
Melting Range, °C, (°F)	-17.2 to -4 (1-7)
Boiling Range, °C, (°F)	161-327 (321-460)
Viscosity, cSt @ 20°C	12.073
Appearance, Room Temperature	Colorless liquid
Vapor Pressure, mmHg @ 21 °C	<2
Vapor Density, Air = 1	4 - 5

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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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