



Description

Sasol North America's ALFOL® 6 Alcohol is high purity petrochemical-based 1-hexanol (also known as hexyl alcohol). ALFOL® 6 Alcohol is a colorless liquid with a sweet pungent odor. ALFOL® 6 Alcohol is classified as rapidly biodegradable in standard ready biodegradability tests. ALFOL® 6 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc.

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® 6 Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. In addition, ALFOL® 6 Alcohol can be used directly in numerous personal care and technical formulations. Some of Sasol North America's ALFOL® alcohols meet the FDA specification for use in Direct and Indirect Food Contact Applications.

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® 6
Average Molecular Wt.	102
Total Alcohol, wt. %	>98.5
Homolog Distribution, wt. %	
C4OH & Lower	0.5
C6OH	>98
C8OH & Higher	1.5
Water, wt. %	<0.1
Hydroxyl Number, mg KOH/g	544 - 550
Carbonyl, as c=o, ppm	<50
Acid Value	<0.1
Iodine Number	0.2
Saponification Number	<0.04
Color, APHA	10
Specific Gravity, @ 60°F	0.8232
Flash Point, °C, (°F)	61.1(142)
Melting Range, °C, (°F)	-45 (-49)
Boiling Range, °C, (°F)	156.1-157.7(313-316)
Viscosity, cSt @ 38°C	3.5
Appearance, Room Temperature	liquid
Vapor Pressure, mmHg @ 21 °C	0.5
Vapor Density, Air = 1	4.5
Solubility (water)	Insoluble
INCI Name	Hexyl 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.