



### Description

Sasol North America's ALFOL® 12 Alcohol is high purity petrochemical-based 1-dodecanol (also known as lauryl or dodecyl alcohol). ALFOL® 12 Alcohol is a colorless solid with a sweet pungent odor. ALFOL® 12 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. ALFOL® 12 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® 12 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® 12 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® 12
Average Molecular Wt.	187
Total Alcohol, wt. %	>98
Homolog Distribution, wt. %	
C10OH & Lower	<2
C12OH	>97
C14OH & Higher	<1
Water, wt. %	0.01
Hydroxyl Number, mg KOH/g	295 - 302
Carbonyl, as c=O, ppm	<100
Acid Value	<0.1
Iodine Number	0.05
Saponification Number	0.04
Color, APHA	10
Specific Gravity, @ 60°F	0.83
Flash Point, °C, (°F)	129.4 (265)
Melting Range, °C, (°F)	22.7-24.4 (73-76)
Boiling Range, °C, (°F)	254.4-258.8 (490-498)
Viscosity, cSt @ 38°C	12.3
Appearance, Room Temperature	solid
Vapor Pressure, mmHg @ 38 °C	0.014
Vapor Density, Air = 1	6.4
Solubility (water)	insoluble
INCI Name	Lauryl 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.