



Description

Sasol North America's ALFOL® 10 Alcohol is a high purity petrochemical-based linear alcohol. ALFOL® 10 Alcohol is a colorless viscous liquid with a sweet pungent smell. ALFOL® 10 Alcohol is classified as rapidly biodegradable in standard ready biodegradability tests. ALFOL® 10 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc.

Sasol North America's ALFOL® Alcohols physically and chemically equivalent to alcohols made from such oleochemical sources such as palm oil, coconut oil and kernel oil.

Applications

ALFOL® 10 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® 10 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® 10
Average Molecular Wt.	158
Total Alcohol, wt. %	98.5
Homolog Distribution, wt. %	
C8OH & Lower	<1
C10OH	>97
C12OH & Higher	<1.2
Water, wt. %	0.02
Hydroxyl Number, mg KOH/g	346 - 356
Carbonyl, as c=O, ppm	<100
Acid Value	<0.1
Iodine Number	<0.2
Saponification Number	<0.04
Color, APHA	0
Specific Gravity, @ 60°F	0.8335
Flash Point, °C, (°F)	112.7 (235)
Melting Range, °C, (°F)	6.1-7.2 (43-45)
Boiling Range, °C, (°F)	231.1-233.8 (448-453)
Viscosity, cSt @ 20°C	14
Appearance, Room Temperature	liquid
Vapor Pressure, mmHg @ 21 °C	0.02 mmHg
Vapor Density, Air = 1	4.5
Solubility (water)	Insoluble
INCI Name	Decyl 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.