ALFOL® 8 Alcohol

Technical Data Sheet

Description

Sasol North America's ALFOL® 8 Alcohol is high purity petrochemical-based 1-octanol (also known as octyl alcohol). ALFOL® 8 Alcohol is a colorless liquid with a sweet pungent odor. ALFOL® 8 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. ALFOL® 8 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® 8 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® 8 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® 8*
Average Molecular Wt.	130
Total Alcohol, wt. %	99.5
Homolog Distribution, wt. %	
C6OH & Lower	<0.5
C8OH	98.6
C1OH & Higher	<0.5
Water, wt. %	<0.1
Hydroxyl Number, mg KOH/g	424-434
Carbonyl, as c=o, ppm	<80
Acid Value	<0.1
Iodine Number	<0.2
Saponification Number	<0.04
Color, APHA	10
Specific Gravity, @ 60°F	0.8293
Flash Point, °C, (°F)	82.2 (180)
Melting Range, °C, (°F)	-17- -16 (1-3)
Boiling Range, °C, (°F)	193.8-196.1 (381-385)
Viscosity, cSt @ 38°C	6
Appearance, Room Temperature	Liquid
Vapor Pressure, mmHg @ 21 °C	0.04
Vapor Density, Air = 1	4.5
Solubility (water)	Nil
TSCA Listed	Yes
INCI Name	Caprylic 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.
2/25/11