

ALFOL 1618 Alcohol



Technical Data Sheet

SASOL

Description

Sasol Chemicals ALFOL 1618 Alcohol is a high purity, petrochemical-based mixture of cetyl alcohol and stearyl alcohol. ALFOL 1618 Alcohol is white in appearance with a sweet pungent odor. ALFOL 1618 Alcohol is classified as readily biodegradable in standard ready biodegradability tests. Sasol Chemicals ALFOL Alcohols are physically and chemically equivalent to corresponding oleochemical-based alcohols derived from such sources as coconut oil or palm oil.

Applications

ALFOL 1618 Alcohol may be used in a wide array of applications including:

- As feedstock for all of the chemical reactions in which primary alcohols are routinely employed
- Esterified, ethoxylated, propoxylated, sulfated, oxidized, etc.
- Directly in numerous personal care and technical formulations

Properties

Typical physical properties are listed in the table to the right. Actual properties will vary from lot to lot.

Contact information

For technical information:

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Sasol Chemicals offers a wide range of alcohols and surfactants. Please contact us for information about creating your own personalized product.

Typical Properties	ALFOL 1618
Avg. Molecular Weight, g/mol	256
Total Alcohol, wt. %	96.8 min.
Homolog Distribution, wt. %	
C14OH & lower	2 max.
C16OH	51.5 – 61.5
C18OH	32.3 – 42.3
C20OH	5.8 max.
Water, wt. %	0.1 max.
Hydroxyl Number, mg KOH/g	210 – 223
Carbonyl, ppm	180 max.
Iodine Number, mg I ₂ /100 mg	1.5 max.
Saponification Number	1 max.
Color, APHA	40 max.
Density, g/mL @ 70°C / 158°F	0.805
Flash Point, °C (°F)	162 (325)
Melting Range, °C (°F)	43 – 49 (110 – 120)
Boiling Range, °C (°F)	331 – 350 (628 – 662)
Viscosity, cSt @ 70°C / 158°F	7.8 – 8.5
Appearance, room temperature	white solid
Vapor Pressure, mmHg @ 20°C	0.01 max.
Vapor Density, air=1	7.4
INCI Name	Cetearyl Alcohol

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