

ALFOL 1620 Alcohol

Technical Data Sheet



sasol

Description

Sasol Chemicals ALFOL 1620 Alcohol is a blend of high purity petrochemical-based alcohols. ALFOL 1620 Alcohol is a white solid with a sweet pungent odor. ALFOL 1620 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 1620 Alcohol can be used as a high purity feedstock for all of the chemical reactions in which primary alcohols are routinely employed. ALFOL 1620 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. In addition, ALFOL 1620 Alcohol can be used 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

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Please contact us for information about creating your own personalized product.

Typical Properties	ALFOL 1620
Avg. Molecular Weight, g/mol	260
Total Alcohol, wt. %	95.8 min.
Homolog Distribution, wt. %	
C14OH & lower	3 max.
C16OH	46.6 – 52.6
C18OH	29.4 – 35.4
C20OH	12.5 – 16.5
C22OH & higher	1.7 max.
Water, wt. %	0.1 max.
Hydroxyl Number, mg KOH/g	202 – 220
Carbonyl, ppm	500 max.
Acid Number, mg KOH/g	1
Iodine Number, mg I ₂ /100 mg	3 max.
Saponification number	2 max.
Color, APHA	100 max.
Density, g/mL @ 70°C / 158°F	0.805
Flash Point, °C (°F)	171 (340)
Melting Range, °C (°F)	45 – 54 (113 – 129)
Boiling Range, °C (°F)	332 – 354 (630 – 670)
Viscosity, cSt @ 70°C / 158°F	8.0
Appearance, room temperature	white solid
Vapor pressure, mmHg @ 20°C	0.01 max.

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