



Description

Sasol Chemicals ALFOL alcohols are high purity petrochemical-based linear primary alcohols with even-numbered carbon chain lengths. ALFOL 20+ Alcohol is a waxy, off-white solid with a slight sweet odor. Sasol Chemicals ALFOL alcohols are physically and chemically equivalent to corresponding oleochemical-based alcohols derived from such sources as coconut oil and palm kernel oil.

Applications

ALFOL 20+ Alcohol is used in the following applications:

- Lubricants for plastics, textiles and metals
- Ethoxylation and sulfation to prepare emulsifiers and biodegradable surfactants
- Defoamers for paper, latex and other aqueous slurries (FDA sanctioned CFR 21, § 176.210)
- Esters for plastic lubricants and lubricant additives
- Synthetic waxes and binders
- Water evaporation control
- Chemical intermediate for other derivatives

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:

Product Steward

2201 Old Spanish Trail

Westlake, Louisiana 70669

Telephone: +1(337)494-4133

TDS.ProductSteward@us.sasol.com

For sales, pricing or samples,

contact a sales representative at:

Telephone: +1(281)588-3000

info@us.sasol.com

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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 20+
Avg. Molecular Weight, g/mol	323
Total Alcohol, wt. %	80 min.
Homolog Distribution, wt. %	
C18OH & lower	8 max.
C20OH	30 – 55
C22OH	15 – 35
C24OH	5 – 22
C26OH & higher	20 max.
Water, wt. %	0.1 max.
Hydroxyl Number, mg KOH/g	140 – 175
Acid Number, mg KOH/g	0.1 max.
Iodine Number, mg I ₂ /100 mg	25 max.
Color, Klett	1400 max.
Density, g/mL @ 70°C / 158°F	0.811
Flash Point, °C (°F)	199 (390)
Melting Range, °C (°F)	45 – 54 (113 – 129)
Boiling Point, °C (°F)	343 (649)
Viscosity, cSt @ 70°C / 158°F	11.6
Appearance, room temperature	off white solid
Solubility (water)	insoluble

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Sasol Chemicals North America LLC

12120 Wickchester Lane, Houston, TX 77079-2990

Phone +1 (281)588-3000, info@us.sasol.com

www.sasolnorthamerica.com