

ALFOL 18 Alcohol

Technical Data Sheet



SASOL

Description

Sasol Chemicals ALFOL 18 Alcohol is high purity, petrochemical-based 1-octadecanol. ALFOL 18 Alcohol is a white solid with a slight sweet odor. ALFOL 18 Alcohol is classified as readily biodegradable in standard ready biodegradability tests. ALFOL 18 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. 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 18 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 18 Alcohol can be used directly in numerous personal care and technical formulations. Some of Sasol Chemicals ALFOL alcohols meet the FDA specification for use in Direct and Indirect Food Contact Applications.

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

Don't see what you are looking for?

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

Typical Properties	ALFOL 18
Avg. Molecular Weight, g/mol	270
Total Alcohol, wt. %	98 min.
Homolog Distribution, wt. %	
C16OH & lower	3 max.
C18OH	95 min.
C20OH & higher	3 max.
Water, wt. %	0.1 max.
Hydroxyl Number, mg KOH/g	200 – 220
Carbonyl, as C=O, ppm	700 max.
Acid Number, mg KOH/g	0.5 max.
Iodine Number, mg I ₂ /100 mg	1 max.
Saponification Number	1.5 max.
Color, APHA	40 max.
Density, g/mL @ 70°C / 158°F	0.806
Flash Point, °C (°F)	196 (385)
Melting Range, °C (°F)	55 – 60 (131–140)
Boiling Range, °C (°F)	350 – 354 (662 – 669)
Viscosity, cSt @ 70°C / 158°F	8.7
Appearance, room temperature	white solid
Vapor Pressure, mmHg @ 20°C	0.01 max.
Vapor Density, Air = 1	5 – 9
Solubility (water)	insoluble
INCI name	Stearyl Alcohol

The preceding data is based on tests and experience, which Sasol Chemicals believes reliable, and is supplied for informational purposes only. Sasol Chemicals expressly disclaims any liability whatsoever for damage or injury which results from the use of the preceding data and nothing contained therein shall constitute a guarantee, warranty, or representation (including freedom from patent liability) by Sasol Chemicals with respect to the data, the product described, or its fitness for use for any specific purpose, even if that purpose is known to Sasol Chemicals. For detailed safety and handling information regarding these products, please refer to the respective Sasol Chemicals Safety Data Sheet. 06/10/19

Sasol Chemicals North America LLC

12120 Wickchester Lane, Houston, TX 77079-2990
Phone +1 (281)588-3000, info@us.sasol.com
www.sasolnorthamerica.com