

# ALFOL 10 Alcohol

## Technical Data Sheet



SASOL

### Description

Sasol Chemicals ALFOL 10 Alcohol is a high purity, petrochemical-based 1-decanol (also known as decyl alcohol). ALFOL 10 Alcohol is a colorless liquid with a sweet pungent odor. ALFOL 10 Alcohol is classified as readily biodegradable in standard ready biodegradability tests. ALFOL 10 Alcohol can be esterified, ethoxylated, propoxylated, sulfated, oxidized, etc. Sasol Chemicals ALFOL alcohols are physically and chemically equivalent to alcohols made from such oleochemical sources such as palm oil, coconut oil and kernel oil.

### Applications

ALFOL 10 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 10 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](mailto:TDS.ProductSteward@us.sasol.com)

For sales, pricing or samples,

contact a sales representative at:

Telephone: +1(281)588-3000

[info@us.sasol.com](mailto: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 10
Avg. Molecular Weight, g/mol	158
Total Alcohol, wt. %	98.5 min.
Homolog Distribution, wt. %	
C8OH & lower	1 max.
C10OH	97.4 min.
C12OH & higher	1.2 max.
Water, wt. %	0.1 max.
Hydroxyl Number, mg KOH/g	346 – 356
Carbonyl, as C=O, ppm	100 max.
Acid Number, mg KOH/g	0.05 max.
Iodine Number, mg I <sub>2</sub> /100 mg	0.2 max.
Saponification Number	0.5 max.
Color, APHA	10 max.
Density, g/mL @ 40°C / 104°F	0.817
Flash Point, °C (°F)	112 (232)
Pour Point, °C (°F)	5 (41)
Boiling Range, °C (°F)	231 – 234 (448 – 453)
Viscosity, cSt @ 40°C / 104°F	8.4
Appearance, room temperature	clear, colorless liquid
Vapor Pressure, mmHg @ 20°C	0.01 max.
Vapor Density, air = 1	4.5
Solubility (water)	insoluble

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. 12/20/19

### Sasol Chemicals North America LLC

12120 Wickchester Lane, Houston, TX 77079-2990

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

[www.sasolnorthamerica.com](http://www.sasolnorthamerica.com)