



## Description

Sasol Chemical SAFOL 23 Alcohol is a blend of C12 and C13 branched and linear alcohols. The branched isomers in SAFOL 23 Alcohol are unique in that the branch is located mid-chain. This leaves the primary alcohol unobstructed for further derivatization. SAFOL 23 Alcohol is a synthetic alcohol produced from olefins obtained using the novel Fischer-Tropsch process.

Due to its saturation, SAFOL 23 Alcohol demonstrates excellent oxidation and color stability. SAFOL 23 Alcohol's unique structure provides advantageous solubility and solvency.

## Applications

SAFOL 23 Alcohol and its derivatives may be used in a variety of applications including detergents and cleaners, plastics additives, cosmetics and pharmaceuticals, leather and textiles additives, and personal care. It can be also used as an emulsifier in paper industry, agrochemicals and metal working.

## 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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Typical Properties	SAFOL 23 Alcohol
Avg. Molecular Weight, g/mol	194
Total Alcohol, wt. %	99.5 min.
Homolog Distribution, wt. %	
C11OH & lower	1.0 max.
C12OH	51 – 57
C13OH	43 – 49
C14OH & higher	4 max.
Water, wt. %	0.1 max.
Hydroxyl Number, mg KOH/g	284 – 294
Carbonyl, ppm	175 max.
Acid Number, mg KOH/g	0.1 max.
Iodine Number, mg I <sub>2</sub> /100 mg	1 max.
Saponification Number	2 max.
Color, APHA	10 max.
Density, g/mL @ 40°C / 104°F	0.829
Flash Point, °C (°F)	> 124 (255)
Pour Point, °C (°F)	6 (43)
Boiling Range, °C (°F)	260 – 285 (500 – 545)
Viscosity, cSt @ 40°C / 104°F	13.5
Appearance, room temperature	clear liquid
Vapor Pressure, mmHg @ 20°C	0.01 max.
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. 01/26/2021

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