



## Technical Data Sheet

### Description

Sasol North America's SAFOL® 23 Alcohol is a primary alcohol comprised of mainly linear and mono-methyl branched alcohols with an alkyl chain length of C12 to C13 carbon atoms. SAFOL® alcohol is a synthetic alcohol produced from olefins obtained using the novel Fischer-Tropsch process. SAFOL® 23 alcohol exhibit a high degree of linearity with about 50% linear isomers.

Due to its saturation SAFOL® 23 alcohol demonstrates excellent oxidation and color stability. SAFOL® 23 alcohol unique structure provides advantageous solubility and solvency.

### Applications

SAFOL® 23 Alcohol and its derivatives can be used in several applications such as 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. SAFOL® 23 alcohol can be used in industrial applications.

### Contact Information

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### Properties

Typical physical properties are listed in the table below. Actual properties will vary from lot to lot.

Typical Properties	SAFOL® 23 alcohol
Average Molecular Wt.	194
Total Alcohol, wt. %	> 99.5
Homolog Distribution, wt. %	
C11OH & Lower	< 1.0
C12OH	51 - 57
C13OH	43 - 49
C14OH & Higher	< 4
Water, wt. %	< 0.1
Hydroxyl Number, mg KOH/g	284 – 294
Carbonyl, as c=o, ppm	< 175
Acid Number, mg KOH/gm	< 0.1
Iodine Number, I <sub>2</sub> /100g	< 1
Saponification Number	< 1.5
Color, APHA	< 10
Specific Gravity, g/cc @ 20°C	0.8418
Flash Point, °C, (°F)	>124(>255)
Pour Point, °C, (°F)	6 (43)
Boiling Range, °C, (°F)	260 – 285 (500 – 545)
Viscosity, cSt @ 40°C	13.46
Appearance, room temperature	Clear liquid
Solubility (water), g/ml	2.9

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For detailed safety and handling information regarding these products, please refer to the respective Sasol North America Material Safety Data Sheet.