

# ISOFOL 16 Alcohol

## Technical Data Sheet



**sasol**

### Description

Sasol Chemicals ISOFOL alcohols are primary, saturated alcohols with defined branching of the carbon chain. Such alcohols are chemically described as 2-alkyl-1-alkanols and are also referred to as Guerbet alcohols. ISOFOL alcohols are high purity alcohols which offer excellent oxidative and color stability. Additionally, the twin 100% linear alkyl branches of the ISOFOL alcohols give a lower viscosity and better biodegradability than dimer alcohols derived from oxo-alcohols. The unique chemical structure of the ISOFOL alcohols also provides good solubility and solvency.

### Applications

ISOFOL alcohols and their derivatives may be used in a wide array of applications including:

- Cosmetics
- Textile Industry
- Metal Processing and Lubricants
- Surfactants
- Paints, Inks, Coatings and Adhesives
- Oilfield

### Properties

Typical physical properties are listed in the table to the right. Actual properties may vary in differing conditions.

### Contact information

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Typical Properties	ISOFOL 16
iC 16 OH, wt. %	97.0 min.
Water, wt. %	0.1 max.
Color, APHA	10 max.
Ester value, mg KOH/g	0.3 max.
Acid number, mg KOH/g	0.05 max.
Iodine value, mg I/100 mg	0.5 max.
Density, g/mL @ 20°C	0.835 – 0.840
Melting range, °C	-21 – -15
Boiling point, °C	294
Flash point, °C	156
Refractive index, nD20	1.450
Viscosity, mPas @ 20°C	38
Molecular weight, g/mol	242
Hydroxyl value, mg KOH/g	225 – 235
Appearance	Clear, colorless, oily liquid
Chemical name	2-Hexyl-1-decanol
INCI name	Hexyldecanol

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