

ISOFOL 28 Alcohol



SASOL

Technical Data Sheet

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 28
iC 28 OH, wt. %	94.0 min.
Water, wt. %	0.1 max.
Color, APHA	40 max.
Ester value, mg KOH/g	0.5 max.
Acid number, mg KOH/g	0.05 max.
Iodine value, mg I/100 mg	0.5 max.
Density, g/mL @ 40°C	0.830
Melting range, °C	27 – 33
Boiling point, °C	> 300
Flash point, °C	240
Refractive index, nD20	1.455
Viscosity, mPas @ 40°C	40
Molecular weight, g/mol	410
Hydroxyl value, mg KOH/g	125 – 140
Chemical name	2-Dodecyl-1-hexadecanol
INCI name	Dodecylhexadecanol

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