

ISOFOL 32 Alcohol

Technical Data Sheet



sasol

Description

Sasol Chemicals ISOVOL 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. ISOVOL alcohols are high purity alcohols which offer excellent oxidative and color stability. Additionally, the twin 100% linear alkyl branches of the ISOVOL alcohols give a lower viscosity and better biodegradability than dimer alcohols derived from oxo-alcohols. The unique chemical structure of the ISOVOL alcohols also provides good solubility and solvency.

Applications

ISOVOL 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	ISOVOL 32
iC 32 OH, wt. %	90.0 min.
Water, wt. %	0.1 max.
Color, APHA	80 max.
Ester value, mg KOH/g	1.0 max.
Acid number, mg KOH/g	0.1 max.
Iodine value, mg I/100 mg	1.0 max.
Density, g/mL @ 60°C	0.820
Melting range, °C	44 – 48
Boiling point, °C	> 300
Flash point, °C	266
Refractive index, nD20	1.447
Viscosity, mPas @ 60°C	23
Molecular weight, g/mol	470
Hydroxyl value, mg KOH/g	95 – 120
Chemical name	2-Tetradecyl-1-octadecanol
INCI name	Tetradecyloctadecanol

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