

ALFONIC® TDA-13 Ethoxylate

Technical Data Sheet

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Description

Sasol North America Inc.'s ALFONIC® TDA-13 Alcohol Ethoxylate is a biodegradable nonionic derived from Isotridecyl alcohol and ethoxylated to an average of 13 mole of Ethylene Oxide. It is essentially 100% active unless diluted with water. It is a white hazy liquid that is soluble in water.

The narrow range or "peaked" version of this ethoxylate made using the Sasol North America Inc.'s patented NOVEL® catalyst technology is also available.

Applications

ALFONIC® TDA-13 Ethoxylate can be used in a wide variety of applications. It can be used as a high quality, biodegradable emulsifier, and in industrial and institutional cleaning products. It can also be used in industrial applications such as textile and leather processing, plastic additives, pulp and paper processing, metal cleaners and agricultural adjuvant.

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	ALFONIC® TDA-13
Average Molecular Wt.	775
Color, APHA	< 50
Hydroxyl Number	69 - 77
Water, Wt %	< 0.1
Glycol, Wt %	< 2
Free Alcohol, wt%	< 2
Density, g/mL @ 60°C	0.9971
Flash Point °C (°F)	>150 (302)
Cloud Point, in salt °C (°F)	57 (135)
Melting Range, °C (°F)	~55 (1)
Viscosity, cSt @ 60°C	27.66
pH, 1% in IPA/Water	6 - 8
Vapor Pressure, mmHg @ 20°C	<1
Vapor Density, Air = 1	~25
Avg. EO Content, moles	13
Avg. EO Content, Wt. %	73.8
Free EO, PPM	< 1
Solubility in Water, g/L	Yes
HLB, calculated	14.76

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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.

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