

ALFONIC® TDA-9 Ethoxylate

Technical Data Sheet

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Description

Sasol North America Inc.'s ALFONIC® TDA-9 Alcohol Ethoxylate is a biodegradable nonionic derived from Isotridecyl alcohol and ethoxylated to an average of 9 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-9 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

For technical information or samples:

Sasol North America

Product Steward

2201 Old Spanish Trail

Westlake, Louisiana 70669

Telephone: (337)494-4133

Fax: (281)368-0819

TDS.ProductSteward@us.sasol.com

For sales and pricing information contact a sales representative at:

Sasol North America

900 Threadneedle

Houston, TX 77079-2990

Telephone: (281)588-3000

Fax: (281)368-1531

Email: info@us.sasol.com

Typical Properties	ALFONIC® TDA-9
Average Molecular Wt.	599
Color, APHA	< 50
Hydroxyl Number	92 - 98
Water, Wt %	< 0.5
Glycol, Wt %	< 2.0
Free Alcohol, wt%	< 4
Density, g/mL @ 40°C	0.973
Flash Point °C (°F)	>230 (446)
Cloud Point, in 2% deionized water °C (°F)	56 - 59 (133 - 138)
Melting Range, °C (°F)	23-29 (73.4- 84.2)
Viscosity, cSt @ 40°C	28.36
pH, 5% in IPA/Water	6 - 8
Vapor Density, Air = 1	20.7
Avg. EO Content, moles	9
Avg. EO Content, Wt. %	66.1
Free EO, PPM	< 1
Solubility in Water, g/L	Yes
HLB, calculated	13.2

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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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