

ALFONIC® TDA-8.5 Ethoxylate

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Technical Data Sheet

Description

Sasol North America Inc.'s ALFONIC® TDA-8.5 Ethoxylate is a biodegradable nonionic derived from isotridecyl alcohol and ethoxylated to an average of 8.5 moles of ethylene oxide. This ethoxylate is essentially 100% active unless diluted with water. It is a white hazy liquid that is slightly soluble in water.

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

Applications

ALFONIC® TDA-8.5 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 such industrial applications as textile and leather processing, plastics additives, pulp and paper processing, metal cleaners, and agricultural adjuvants.

Properties

Typical physical properties are listed in the table to the right. Actual properties may vary from lot to lot.

Contact Information

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Typical Properties	ALFONIC® TDA-8.5
Average Molecular Wt	577
Color, APHA	< 50
Hydroxyl Number	94 – 100
Water, Wt %	< 0.5
Glycol, Wt %	< 2
Free Alcohol, Wt %	< 5
Density, g/mL @ 40°C	0.9825
Flash Point (PM), °C (°F)	174 (446)
Cloud Point, 10% in BDG/H ₂ O solution °C (°F)	79 (174)
Melting Range, °C (°F)	25 (77)
Viscosity, cSt @ 40°C	27.76
pH, 5% in IPA / Water	6 – 8
Avg. EO Content, moles	8.5
Avg. EO Content, Wt %	65
Free EO, PPM	< 1
HLB, calculated	13

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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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