

NOVEL® TDA-12 Ethoxylate

Technical Data Sheet

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Description

Sasol North America Inc.'s NOVEL® TDA-12 Alcohol Ethoxylate is a biodegradable nonionic derived from Isotridecyl alcohol and ethoxylated to an average of 12 mole of Ethylene Oxide. This ethoxylate is made using Sasol North America Inc.'s patented NOVEL® catalyst which yields products with low free alcohol, PEG levels, and melting ranges when compared to the traditional base-catalyzed methods.

It is essentially 100% active unless diluted with water.

Applications

NOVEL® TDA-10 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 adjuvants.

Properties

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

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Typical Properties	NOVEL® TDA-12
Average Molecular Wt.	731
Color, APHA	< 50
Hydroxyl Number	72 - 82
Water, Wt %	< 0.5
Glycol, Wt %	< 2.0
Free Alcohol, wt%	< 1
Density, g/mL @ 20°C	1.03
Flash Point °C (°F)	>230 (32)
Cloud Point, 1% °C (°F)	85 (185)
1% in 10% NaCl solution	58 (136)
Melting Range, °C (°F)	12(54)
Viscosity, cSt @ 40°C	52
pH, 1% in IPA/Water	6 - 8
Vapor Density, Air = 1	25
Avg. EO Content, moles	12
Avg. EO Content, Wt. %	72
Free EO, PPM	< 1
HLB, calculated	14.5

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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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