

NOVEL® 1216CO-2 Ethoxylate

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Technical Data Sheet

Description

Sasol North America Inc.'s NOVEL® 1216CO-2 Alcohol Ethoxylate is a biodegradable nonionic surfactant derived from linear primary ALFOL® 1216CO Alcohol. This ethoxylate is made using Sasol North America Inc.'s patented NOVEL® catalyst technology, which yields products with lower free alcohol, PEG levels, and melting ranges when compared to the traditional base-catalyzed methods. It is essentially 100% active unless diluted with water and has the following structural formula: $CH_3(CH_2)_x(OCH_2CH_2)_2OH$ where 'x' varies between 11 and 15. NOVEL® 1216CO-2 Ethoxylate is a clear to slightly hazy liquid at room temperature.

Applications

NOVEL® 1216CO-2 Ethoxylate can be used in a wide variety of applications. It can be used as a high quality, biodegradable dispersant and/or cleaner in a wide variety of household, as well as, industrial cleaning products. It can also be used in such industrial applications as textile and leather processing, plastics additives, pulp and paper processing, metal cleaners, car wash products, agricultural adjuvants, and circuit board cleaners.

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	NOVEL® 1216CO-2
Average Molecular Weight	286
Color, APHA	< 50
Hydroxyl Number	191 – 203
Water, Wt. %	< 0.1
Glycol, Wt.%	< 1.5
Free Alcohol, Wt. %	< 15
Density, g/mL @ 22°C	0.903
Flash Point, °C (°F)	130 (266)
Cloud Point, 10% in 25% BDG, °C (°F)	50 (122)
Melting Point, °C (°F)	2 (36)
Viscosity, cSt @ 40°C	12.4
pH, 1% in IPA/Water	6 – 8
Vapor Density, Air = 1	9 - 11
Avg. EO Content, moles	2
Avg. EO Content, Wt. %	30.8
Free EO, ppm	< 1
Solubility in Water, g/L	Dispersible
HLB, calculated	6.2

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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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