

NOVEL® 1618-80 Ethoxylate

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Technical Data Sheet

Description

Sasol North America Inc.'s NOVEL® 1618-80 Ethoxylate is a biodegradable, nonionic surfactant derived from a linear primary alcohol blend containing predominately C16 through C18 alcohols that have been ethoxylated to approximately 80 moles of ethylene oxide. 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. NOVEL® 1618-80 Ethoxylate is essentially 100% active. It is solid at room temperature.

Applications

NOVEL® 1618-80 Ethoxylate can be used in a wide variety of applications as a high quality, high efficiency emulsifier or dispersing aid. Some examples of possible applications include:

- Monomer emulsifier in emulsion polymerization
- Dispersing aid for inorganic particles
- Emulsifier in personal care formulation
- Coatings and Inks

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	NOVEL® 1618-80
Average Molecular Weight	3762 - 3790
Color, APHA	< 150
Hydroxyl Number	10 - 20
Water, Wt %	0.5
Glycol, Wt %	< 2
Free Alcohol, Wt %	< 0.1
Density, g/mL @ 65°C	1.0617
Flash Point (PM), °C (°F)	> 204 (> 400)
Cloud Point, 1% in 10% NaCl solution °C (°F)	72 (162)
Melting Point, °C (°F)	54 - 59 (129 - 138)
Viscosity, cSt @ 65°C	202.6
pH, 1% in IPA / Water	6 - 8
Vapor Density	163
Avg. EO Content, moles	80
Avg. EO Content, Wt %	92.5
Free EO, PPM	< 1
HLB, calculated	18.5

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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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