

NOVEL® 18-1 Ethoxylate

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Technical Data Sheet

Description

Sasol North America Inc.'s NOVEL® 18-1 Ethoxylate is a biodegradable, nonionic surfactant derived from linear, primary ALFOL® 18 Alcohol. This 1 mole ethoxylate is made using Sasol North America Inc.'s patented NOVEL® catalyst technology. This yields narrow range or "peaked" ethoxylates that have lower free alcohol, PEG levels, and melting ranges when compared to the traditional base-catalyzed ethoxylates. NOVEL® 18-1 Ethoxylate is a white solid that is essentially 100% active and has the following structural formula:



Applications

NOVEL® 18-1 Ethoxylate can be used in a wide variety of applications. It can be used as an oil soluble emulsifier in application areas such as: leather, defoaming, and dye solubilizing. It can also be used as a chemical intermediate.

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® 18-1
Average Molecular Wt.	325
Color, APHA	< 50
Hydroxyl Number	177 - 185
Water, Wt. %	< 0.1
Glycol, Wt. %	< 1
Free Alcohol, Wt. %	< 36
Cloud Point, (BDG), °C	<48
Density, g/mL @ 60°C	0.8422
Flash Point (PM), °C (°F)	>200 (>392)
Melting Range, °C (°F)	43 - 45 (109 - 113)
Viscosity, cSt @ 60°C	10.769
pH, 1% in IPA / Water	6 - 8
Avg. EO Content, moles	1
Avg. EO Content, Wt. %	14.4
Free EO, ppm	< 1
HLB, calculated	2.88

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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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