

# NOVEL® TDA-30 Ethoxylate

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reaching new frontiers



## Technical Data Sheet

### Description

Sasol North America Inc.'s NOVEL® TDA-30 Ethoxylate is a biodegradable nonionic surfactant derived from a branched C13 alcohol and ethoxylated to an average of 30 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. It is essentially 100% active unless diluted with water.

### Applications

NOVEL® TDA-30 Ethoxylate can be used in a wide variety of applications as a high quality, biodegradable emulsifier. Some examples of applications are:

- Emulsion Polymerization
- Oilfield
- Personal care
- 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

For technical information or samples:

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Typical Properties	NOVEL® TDA-30
Average Molecular Weight	1368 – 1700
Color, APHA	< 150
Hydroxyl Number	33 – 41
Water, Wt %	< 0.5
Glycol, Wt %	< 1
Free Alcohol, Wt %	< 0.5
Density, g/mL @ 50°C	1.054
Flash Point (PM), °C (°F)	>204 (>400)
Cloud Point, 1% in 10% NaCl solution °C (°F)	76 (168)
Melting Point, °C (°F)	41 - 42 (106-08)
Viscosity, cSt @ 100°C	24.2
pH, 1% in IPA / Water	6 – 8
Vapor Density	52.4
Avg. EO Content, moles	30
Avg. EO Content, Wt %	87
Free EO, PPM	< 1
HLB, calculated	17.4

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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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