

# NOVEL TDA-5 Ethoxylate



SASOL

## Technical Data Sheet

### Description

Sasol Chemicals NOVEL TDA-5 Ethoxylate is a biodegradable nonionic derived from isotridecyl alcohol and ethoxylated to an average of five moles of ethylene oxide. This ethoxylate is made using Sasol Chemicals patented NOVEL technology which yields narrow range products with lower free alcohol, PEG levels and melting ranges when compared to the traditional base-catalyzed methods. NOVEL TDA-5 Ethoxylate is liquid at room temperature and essentially 100% active.

### Applications

NOVEL TDA-5 Ethoxylate may be used in a wide array of applications including as a high quality, biodegradable emulsifier, foaming agent and/or cleaner in a variety of household and industrial cleaning products. It may also be used in such industrial applications as textile and leather processing, plastics additives, paints and coatings, 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.

### Contact information

For technical information:  
Product Steward  
2201 Old Spanish Trail  
Westlake, Louisiana 70669  
Telephone: +1(337)494-4133  
[TDS.ProductSteward@us.sasol.com](mailto:TDS.ProductSteward@us.sasol.com)

For sales, pricing or samples,  
contact a sales representative at:  
Telephone: +1(281)588-3000  
[info@us.sasol.com](mailto:info@us.sasol.com)

### Don't see what you are looking for?

Sasol Chemicals offers a wide range of alcohols and surfactants. Please contact us for information about creating your own personalized product.

Typical properties	NOVEL TDA-5
Avg. molecular weight, g/mol	421
Avg. EO content, wt. %	52
Free EO, ppm	1 max.
Hydroxyl number, mg KOH/g	128 – 138
Water, wt. %	0.1 max.
Glycol, wt. %	1 max.
Free alcohol, wt. %	5 max.
Density, g/mL @ 40°C / 104°F	0.950
Flash point, °C (°F)	> 150 (302)
Cloud point, 10% in BDG, °C (°F)	64 (147)
Pour Point, °C (°F)	-18 (-1)
Viscosity, cSt @ 40°C / 104°F	23
pH, 1% in IPA/water	6 – 8
Color, APHA, mg Pt/L	50 max.
HLB, calculated	10.4
Wettability on cotton, seconds	51
Critical Micelle Concentration, mg/L	34.2
SFT, mN/m	27.3
Avg. Contact Angle on PTFE	36.39
Solubility in water, 2 wt. %	Soluble

*\*Mix samples well before use.*

The preceding data is based on tests and experience, which Sasol Chemicals believes reliable, and is supplied for informational purposes only. Sasol Chemicals expressly disclaims any liability whatsoever for damage or injury which results from the use of the preceding data and nothing contained therein shall constitute a guarantee, warranty, or representation (including freedom from patent liability) by Sasol Chemicals with respect to the data, the product described, or its fitness for use for any specific purpose, even if that purpose is known to Sasol Chemicals. For detailed safety and handling information regarding these products, please refer to the respective Sasol Chemicals Safety Data Sheet. 08/29/19

### Sasol Chemicals North America LLC

12120 Wickchester Lane, Houston, TX 77079-2990  
Phone +1 (281)588-3000, [info@us.sasol.com](mailto:info@us.sasol.com)  
[www.sasolnorthamerica.com](http://www.sasolnorthamerica.com)