

NOVEL TDA-150 Ethoxylate



SASOL

Technical Data Sheet

Description

Sasol Chemicals NOVEL TDA-150 Ethoxylate is a biodegradable nonionic derived from isotridecyl alcohol and ethoxylated to an average of 150 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-150 Ethoxylate is solid at room temperature and essentially 100% active.

Applications

NOVEL TDA-150 Ethoxylate may be used in a wide array of applications including detergents, personal care, latex resin production and oil & gas recovery. This ethoxylate functions primarily as a high quality, biodegradable emulsifier of heavy oils and a solid, water soluble binder (carrier) for active organic ingredients.

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

For sales, pricing or samples,

contact a sales representative at:

Telephone: +1(281)588-3000

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-150
Avg. molecular weight, g/mol	5615 – 7375
Avg. EO content, wt. %	97
Free EO, ppm	2 max.
Hydroxyl number, mg KOH/g	7 – 10
Water, wt. %	0.1 max.
Glycol, wt. %	12 max.
Free alcohol, wt. %	0.5 max.
Density, g/mL @ 70°C / 158°F	1.07
Flash point, °C (°F)	>152 (257)
Cloud point, 1% in salt water, °C (°F)	68 – 72 (154 – 162)
Melting range, °C (°F)	57 – 62 (135 – 144)
Viscosity, cSt @ 70°C / 158°F	600 – 740
pH, 1% in IPA/water	7 – 9.5
Color, APHA, mg Pt/L	150 max.
HLB, calculated	19.4
Wettability on cotton, seconds	--
Critical Micelle Concentration, mg/L	--
SFT, mN/m	--
Average Contact Angle on PTFE	--
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. 11/06/2020

Sasol Chemicals North America LLC

12120 Wickchester Lane, Houston, TX 77079-2990

Phone +1 (281)588-3000, info@us.sasol.com

www.sasolnorthamerica.com