

NOVEL® TDA-5 Ethoxylate

Technical Data Sheet

SASOL
reaching new frontiers



Description

Sasol North America Inc.'s NOVEL® TDA-5 Ethoxylate is a biodegradable, nonionic surfactant derived from a branched C13 alcohol and ethoxylated to an average of 5 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-5 Ethoxylate can be used in a wide variety of applications. It can be used as a high quality, biodegradable emulsifier, foaming agent, and/or cleaner in a wide variety of household, as well as, industrial cleaning products. It can 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 may vary from lot to lot.

Contact Information

For technical information or samples:

Sasol North America

Product Steward

2201 Old Spanish Trail

Westlake, Louisiana 70669

Telephone: (337)494-4133

Fax: (281)368-0819

TDS.ProductSteward@us.sasol.com

For sales and pricing information contact a sales representative at:

Sasol North America

900 Threadneedle

Houston, TX 77079-2990

Telephone: (281)588-3000

Fax: (281)368-1531

info@us.sasol.com

Typical Properties	NOVEL® TDA-5
Average Molecular Wt.	421
Color, APHA	< 50
Hydroxyl Number	128 - 138
Water, Wt. %	< 0.1
Glycol, Wt. %	< 1.5
Free Alcohol, Wt. %	< 10
Density, g/mL @ 50°C	0.9445
Flash Point (PM), °C (°F)	148 (298.4)
Cloud Point, 10% in BDG/H ₂ O Solution, °C (°F)	64 (147)
Melting Point, °C (°F)	-12 (10)
Viscosity, cSt @ 50°C	16.5
pH, 1% in IPA / Water	6 – 8
Vapor Density	14.5
Avg. EO Content, moles	5
Avg. EO Content, Wt. %	52
Free EO, ppm	< 1
HLB, calculated	10.4

NOVEL is a registered trademark of Sasol North America Inc.

The preceding data is based on tests and experience, which Sasol North America believes reliable, and is supplied for informational purposes only. Sasol North America 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 North America 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 North America.

For detailed safety and handling information regarding these products, please refer to the respective Sasol North America Material Safety Data Sheet.

07/15/13