
Technical Data Sheet

Lutensol® TDA 3 Flex

January 2020

Lutensol® TDA 3 Flex is a 100% active nonionic surfactant composed of a 3-mole ethylene oxide adduct of tridecyl alcohol.

Applications

Lutensol® TDA surfactants are ethoxylated tridecyl alcohols. Members of this surfactant series show excellent rapid wetting properties, relatively low foaming levels and good detergency and versatility as emulsifiers, dispersants and solubilizers. Lutensol® TDA surfactants are ideally suited for textile scouring and dyeing, industrial and institutional and specialities. The lower ethoxylate members of the series are also used as chemical intermediates for conversion to anionic phosphate, sulfate and carboxylate surfactants.

Shelf Life

BASF will endorse the results on the certificate of analysis for a period of up to two years from the date of manufacture for material in original, unopened, properly stored containers. Beyond two years, we recommend the quality of the material be confirmed prior to use by retesting the certificate of analysis parameters.

Please refer to the Material Safety Data Sheet (MSDS) for this product for instructions on safe and proper handling and disposal.

Specifications	
Color, APHA	70 max.
Water, weight %	0.1 max.
pH (5% aqueous).	6.0 – 7.5
1,4 dioxane, ppm	3 max



Order Placement

To place orders for delivery in the United States or Canada, please call our toll free number (800) 443-6460.
For other Information including product literature and Material Safety Data Sheets please call (734) 324-6101.
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Typical physical properties	
Form	Liquid
Average molecular weight	325
Specific gravity, 25°/25°C	0.950
Viscosity, cps at 25°C	90
Pour point	-15°C
Cloud point (1% aqueous)	< 0°C
Foam height (Ross Miles, 0.1% aqueous at 50°C)	0 mm
HLB.	8
Solubility in water at 25°C.	dispersible
Wetting, Draves Sink Time (3 mg hook, 0.1% aqueous at 25°C), sec	26.7
Surface tension (0.1% aq), 25°C, dynes/cm	28



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