

---

## Technical Data Sheet

---

# Lutensol® TDA 9 Flex

---

January 2020

---

Lutensol® TDA 9 Flex is a 100% active nonionic surfactant composed of a 9-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	
Cloud point (1% aqueous)	55 – 62°C
Color, APHA	70 max.
Water, weight %	1.0 max.
pH (5% aqueous).	6.0 – 7.5
1,4 dioxane, ppm	2 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.  
Or Visit Our Website At: [www.performance.basf-corp.com](http://www.performance.basf-corp.com)

Important: While the information and data contained in this Data Sheet are presented in good faith and believed to be reliable, they do not constitute a part of our terms and conditions of sales unless specifically incorporated in our Order Acknowledgment. NOTHING HERIN SHALL BE DEEMED TO CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, THAT SAID INFORMATION OR DATA ARE CORRECT OR THAT THE PRODUCTS DESCRIBED ARE MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE, OR THAT SAID INFORMATION, DATA OR PRODUCTS CAN BE USED WITHOUT INFRINGING PATENTS OF THIRD PARTIES.

® = Registered trademark of BASF in many countries.

© = BASF Corporation. All rights reserved.

BASF Corporation, 100 Park Avenue, Florham Park, New Jersey 07932

---

# Technical Data Sheet

---

Typical physical properties	
Form	Liquid
Average molecular weight	590
Specific gravity, 25°/25°C	1.000
Viscosity, cps at 25°C	140
Pour Point	20°C
Cloud point (1% aqueous)	58°C
Foam height (Ross Miles, 0.1% aqueous at 50°C)	100 mm
HLB	13
Solubility in water at 25°C	> 10%
Surface tension (0.1% aqueous), 25°C, dynes.cm	27



---

## 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.  
Or Visit Our Website At: [www.performance.basf-corp.com](http://www.performance.basf-corp.com)

Important: While the information and data contained in this Data Sheet are presented in good faith and believed to be reliable, they do not constitute a part of our terms and conditions of sales unless specifically incorporated in our Order Acknowledgment. NOTHING HERIN SHALL BE DEEMED TO CONSTITUTE A WARRANTY, EXPRESS OR IMPLIED, THAT SAID INFORMATION OR DATA ARE CORRECT OR THAT THE PRODUCTS DESCRIBED ARE MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE, OR THAT SAID INFORMATION, DATA OR PRODUCTS CAN BE USED WITHOUT INFRINGING PATENTS OF THIRD PARTIES.

® = Registered trademark of BASF in many countries.

© = BASF Corporation. All rights reserved.

BASF Corporation, 100 Park Avenue, Florham Park, New Jersey 07932