

## Technical Bulletin

# SURFONIC<sup>®</sup> TDA-8/90 Surfactant

### PRODUCT DESCRIPTION

SURFONIC TDA-8/90 surfactant is the 90% active aqueous solution of the eight-mole ethoxylate of isotridecyl alcohol. It is a water soluble, nonionic surface-active agent which is compatible with other nonionic surfactants and with most anionic and cationic surfactants.

### APPLICATIONS

- emulsifiers
- detergents
- dispersants
- wetting agents
- degreasers

### SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance at 25°C	Clear and substantially free of foreign matter	ST-30.1
Cloud Point <sup>1</sup> , °C (1% aqueous)	40 - 47	ST-9.1, 5.2.1
Color <sup>1</sup> , Pt-Co	100 max.	ST-30.12
pH <sup>1</sup> , 1% solution	6.5 - 7.5	ST-31.36,C
Water, wt%	9 - 11	Loading Measure

<sup>1</sup> Certificate of analysis reflects measurement made on 100% active material.  
\*Methods of Test are available from Huntsman Corporation upon request.

### ADDITIONAL INFORMATION

#### Chemical Properties (for 100% active material)

Molecular Weight (theoretical)	551
EO Content, wt% (theoretical)	64
HLB Value	12.8
Hydroxyl Number (theoretical)	100
Water Solubility	Soluble

#### Regulatory Information

CAS Number 78330-21-9  
See SDS for all regulatory information.

#### Shelf Life

The product should retain its conformance to sales specifications for a period of at least two years after date of manufacture if the product is stored at less than 100°F in its undamaged, unopened, factory packaged container.

In general, the user should determine the suitability of any chemical compound, no matter what the shelf life or length of time of storage. Each user should conduct a sufficient investigation to establish the suitability of any product for his intended use.

#### Typical Properties

Flash point, PMCC, °F	355
Flash point, PMCC, °C	179
Pour point, °F	10
Pour point, °C	-12
Density, g/ml at 25°C (77°F)	1.0055
Weight, lbs/US gal at 25°C (77°F)	8.38
Viscosity, kinematic	
cSt at 25°C (77°F)	90
cSt at 37.8°C (100°F)	47

**TOXICITY AND SAFETY**

For information on the toxicity and safe handling of this product, read the Safety Data Sheet prior to use of the product.

**HANDLING AND STORAGE**

SURFONIC TDA-8/90 surfactant may be satisfactorily stored in corrosion resistant tanks such as stainless steel, aluminum or fiber glass.

For longer term color stability, it is recommended that the product be stored under an inert atmosphere. Solid sediment may form upon standing. There should be circulation in the storage vessel to keep solids suspended.

Low pressure steam coils in storage tanks and steam tracing of transfer lines should be provided in cases where low environmental temperatures may make pumping of the product difficult.

**SHIPPING DATA**

Product is available in tank cars and tank trucks and drums of 440 pounds (200 kilograms) net weight. Small samples are available by contacting our sample department at 1-800-662-0924.

**Huntsman Corporation  
Business Offices**  
10003 Woodloch Forest Dr.  
The Woodlands, TX 77380  
(281) 719-6000

**Huntsman Advanced Technology  
Center  
Technical Service**  
8600 Gosling Rd.  
The Woodlands, TX 77381  
(281) 719-7780

**Samples 1-800-662-0924**

**[www.huntsman.com](http://www.huntsman.com)**

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