



# ETHAL TDA-6

INCI: TRIDECETH-6

## PERFORMANCE BENEFITS

Ethal TDA surfactants are 100% active nonionic surfactants which are the polyethylene glycol ether of tridecyl alcohol with an average of 3,6,9,12,15 or 18 repeating units of ethylene glycol. Ethal TDA surfactants are of 100% synthetic origin and show excellent rapid wetting properties, relatively low foaming levels and good detergency. They are useful in a wide range of personal care products and cosmetics. Since they are completely saturated they are very stable over a wide pH range. They can be combined with other surfactants to achieve any required HLB.



## APPLICATIONS

Usage will vary depending upon system. Typical range is 0.5% to 5%.

Hair dyes

Bath products

Creams and lotions

Hair conditioners



## TYPICAL PROPERTIES

|                                |                      |
|--------------------------------|----------------------|
| Acid Value.....                | 0.50 max             |
| Appearance @25°C.....          | Water white liquid   |
| Clarity @25°C.....             | Clear to hazy        |
| Color (APHA).....              | 50 max               |
| Hydroxyl Value.....            | 115-130 mg KOH/g max |
| Moisture.....                  | 1.0%                 |
| pH (5%) (25/75 IPA/Water)..... | 5.0-6.5              |
| HLB.....                       | 11                   |

## TECHNICAL CONTACT

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