



# ETHOCARE® TDA-X

INCI: TRIDECETH-X

## PERFORMANCE BENEFITS

ETHOCARE® 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. ETHOCARE® 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

Products	HLB +/-1	Form	Hydroxyl Value mg KOH/g	Color APHA	pH 5%	Acid Value mg KOH/g
ETHOCARE® TDA-3	8	Liquid	168-180	50 max	5-6.5	1.0 max
ETHOCARE® TDA-6	11	Liquid	115-130	50 max	5-6.5	0.5 max
ETHOCARE® TDA-9	13	Liquid	91-106	50 max	5-6.5	0.5 max
ETHOCARE® TDA-12	14	Liquid	72-84	100 max	5-6.5	1.0 max
ETHOCARE® TDA-15	15	Soft solid	63-75	100 max	5-6.5	1.0 max
ETHOCARE® TDA-18	16	Soft solid	57-69	100 max	5-6.5	1.0 max

## TECHNICAL CONTACT

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*The information contained herein is believed to be correct; however, it should not be construed as a guarantee or as a statement of suitability for use in any application. This information should not be considered as a recommendation to violate any patent.*



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