



# ETHOX CARE® MS-40

INCI: PEG-40 STEARATE

## PERFORMANCE BENEFITS

ETHOX CARE® MS-40 is the polyethylene glycol ester of stearic acid with an average of 40 repeating units of ethylene glycol. It is an emulsifier for oil in water emulsions, a cleansing agent and a solubilizer. ETHOX CARE® MS-40 is useful in a wide range of personal care products and cosmetics. Since it is a completely saturated solid material it is very stable and has an HLB of about 16-18. ETHOX CARE® MS-40 can be combined with other surfactants to achieve any required HLB.



## APPLICATIONS

Usage will vary depending upon system. Typical range is 1% to 10%.  
 Hand & body lotions \* Facial moisturizers \* Cleansing creams, liquids and wipes  
 Fragrance \* Hair conditioners



## TYPICAL PROPERTIES

Appearance @ 25C..... White waxy solid  
 Color (Gardner)..... 1 max  
 Clarity Test..... Clear to slightly hazy @ melt  
 Acid Value..... 1 max mg KOH/g  
 Hydroxyl Value..... 27-40 mg KOH/g  
 Saponification Value..... 25-31 mg KOH/g  
 Moisture..... 3% max  
 pH(5%)..... 5.5-7.5

## 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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