



# ETHOX CARE® HCO-60

INCI: PEG-60 HYDROGENATED CASTOR OIL

## PERFORMANCE BENEFITS

ETHOX CARE® HCO-60 is the polyethylene glycol derivative of hydrogenated castor oil with an average of 60 repeating units of ethylene glycol. It is a nonionic emulsifier for oil-in-water emulsions, surfactant, and solubilizer with excellent chemical stability. ETHOX CARE® HCO-60 is a solid with an HLB of about 14-16 and is compatible with anionic, cationic, and nonionic surfactants. It also functions as a very light, water-soluble emollient and conditioner in hair care and skin care products. ETHOX CARE® HCO-60 is particularly effective for solubilizing essential oils, fragrance oils, vitamins, and hydrophobic active substances in hydroalcoholic and purely aqueous solutions in the pH range of pH 4-8.



## APPLICATIONS

Usage will vary depending upon system. Typical range is 1-10%.

Fragrances • Shampoos and conditioners • Bath products • Creams and lotion • Stylers  
Gels • Wipes



## PROPERTIES

Appearance @ 25C.....Off-white to cream colored waxy solid  
 Color (Gardner).....6.0 max  
 Acid Value.....1.5 max mg KOH/g  
 Hydroxyl Value.....39-49 mg KOH/g  
 Saponification Value.....41-51 mg KOH/g  
 1,4 Dioxane.....10 ppm max  
 Ethylene Oxide.....1 ppm max  
 Moisture.....1% max  
 pH(5%).....5.0-6.6

## 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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