



**COPPERHEAD
CHEMICAL
COMPANY®**

LAUREST® 1240

Plant-Based, Multifunctional Cosmetic Ingredient

Laurest® 1240 offers the appeal of plant-based ingredients with antimicrobial properties in a product with luxurious skin feel and a lack of odor and irritation.

Benefits:

- Made from natural, coconut or palm kernel oil-based lauric esters and non-GMO vegetable-based diglycerin, combined in a patented process¹ to make a clear to slightly cloudy **water-soluble** gel that enhances skin care products by providing **lush skin feel**.
- Contains a unique suite of lauric esters which augment and complement important innate substances that provide **microbial protection** to healthy skin. In particular, Laurest® 1240 is uniquely suited to skin care because it offers control of Gram-positive bacteria and fungi with **low potential for irritation**.
- With **double the concentration** of lauric monoesters combined with a higher proportion of glyceryl laurate than Laurest® 1220, antimicrobial activity in formulations and products is enhanced.
- Laurest® 1240 is a gel that **will not liquefy and run at body temperature**, making it suitable for direct application to localized areas of skin.
- A mixture of rich esters with both **emollient and humectant properties** that condition and moisturize the skin, helping to create appealing skin care products. Due to the water-soluble nature of Laurest®, it is **cold process capable** and may be added to either the water or oil phase.
- Laurest® 1240 is **odorless** and non-volatile and may be used to emulsify or carry various actives and fragrances.
- Application for approval by ECOCERT for use in natural and organic cosmetics pending.

Laurest® 1240 delivers antimicrobial, emollient esters that customers want in their products at a competitive price, with outstanding quality, and in an easy-to-use form that professionals can use with confidence.

Proposed INCI Name: Diglycerin (and) Polyglyceryl-2 Laurate.

Directions for Use: Recommended use levels and concentration depends upon the application and type of product. Laurest® 1240 may be added to the oil and/or water phase.

For use as a preservative booster: 1.5% - 3% wt/wt%

Other personal care applications: up to 39% wt/wt% for both wash off and leave on products

About Copperhead Chemical Company®: Copperhead is a leading manufacturer of active pharmaceutical ingredients and specialty chemicals located in Tamaqua, PA USA. Copperhead is dedicated to quality and operates in accordance with Good Manufacturing Practice regulations enforced by the U.S. FDA. Contact information is as follows:

Sales and Technical Support:

Copperhead Chemical Company® • 120 River Road • Tamaqua, PA 18252 • Website: www.copperheadchemical.com
Main Tel: (570) 386-6123 • Jim Mosbaugh: (877) 344-4732 • jmosbaugh@copperheadchemical.com

Technical information contained herein is believed to be accurate. However, it is furnished without charge or obligation and is given and accepted at the recipient's sole risk. No guarantee of the accuracy of the information is made and the products discussed are sold without conditions or warranties expressed or implied. Purchasers should perform their own tests and determine suitability of the product for their particular purposes. Nothing contained herein shall be considered a recommendation for any use that may infringe upon patent rights.

¹ Methods and compositions for novel liquid crystal delivery systems. U.S. Patent Number: 8,546,593.