



## Lexgard® Natural

INCI ADOPTED NAME	Glyceryl Caprylate (and) Glyceryl Undecylenate
GENERAL INFORMATION	<p><b>Lexgard Natural</b> is an all-natural multi-functional ingredient system for preservative-free and self-preserving cosmetics.</p> <p><b>Lexgard Natural</b> has the following features:</p> <ul style="list-style-type: none"><li>• 100% vegetable derived</li><li>• No petrochemical content</li><li>• Ecocertified by the leading natural cosmetic standards</li><li>• Its eco-credentials are far superior to “nature identical” petrochemical ingredients</li></ul> <p><b>Lexgard Natural</b> is composed of high purity monoesters of caprylic acid (C8 acid) and undecylenic acid (C11 acid). The former is well established for its biostatic activity against bacteria and yeast. The latter is known for its activity against fungus. Many formulations containing <b>Lexgard Natural</b> pass challenge tests required in cosmetics.</p>
PRINCIPAL USES	<p><b>Lexgard Natural</b> is an emollient, co-emulsifier, skin re-fattening agent, and biostatic system. It is especially recommended for use in w/o or o/w emulsion systems such as skin care creams and lotions. It may be incorporated in the oil or water phase at any point during the emulsification process. For antimicrobial performance, a dosage of 1.0% – 1.5% is recommended. <b>Lexgard Natural</b> is stable and effective at pH 4.0 - 7.5, with optimal results at pH 5.5 or lower.</p>
PHYSICAL PROPERTIES (TYPICAL)	Appearance .....Liquid to white, solid Odor ..... Mild, characteristic
STORAGE AND HANDLING	It is recommended that normal safety precautions be employed when handling <b>Lexgard Natural</b> . Refer to the material Safety Data Sheet (SDS) for further information.
SAFETY DATA	Refer to the material Safety Data Sheet (SDS) for further information.
STANDARD PACKAGING	Plastic pail, 55 lb (24.95 kg) net weight.

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