



**NEW FOR 2007**



Naturally Fortifying Enhancement Systems

# Enhansys™ CG-100

## Caprylyl Glycol Global Fortifying Enhancement System for Personal Care Products

### Overview

**Enhansys™** is a new line of tailored personal care ingredients that fortify your formulations and at the same time help you to achieve a number of challenging formulation goals. These alternative approaches protect your formulations from manufacturing to the shelf, while at the same time enhancing formulation performance.

**Enhansys™** is a versatile and cost effective approach for fortifying and enhancing Personal Care product formulations. Use **Enhansys™** for the formulation performance functionalities of conditioning, moisturization, thickening, stabilizing and pH control, in place of traditional ingredients-*and find that traditional preservatives are not needed.*

**Enhansys™** fortified formulations are self-preserving systems that enable a high level of protection against in-package biodegradation resulting from manufacturing contamination, process water, raw materials and/or environment.

**Enhansys™ CG** series are functional ingredients and systems built around Caprylyl Glycol that bring a wide range of benefits to Personal Care formulations.

**Enhansys™ CG-100** – is 100% active Caprylyl Glycol, an effective Skin and Hair Conditioning Agent, is widely regarded as an effective emollient base. CG-100 functions as a conditioning ingredient, wetting agent, viscosity modifier and biological stabilizer alternative to traditional preservatives.

### Typical Properties

Appearance @RT.....Clear colorless to light yellow liquid/White solid  
 Boiling Point @10mmHg.....131-132°C  
 Melting Point.....36-38°C  
 Purity (GC).....98% Minimum

### Typical Use Levels/Conditions

0.3% - 2.0%  
 Optimal formulation pH range 3 – 9

### Handling Information

Refer to the Material Safety Data Sheet (MSDS) available from Mason Chemical Company for information on the safe use, handling and disposal of this product.

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## Enhansys™ CG-100

Features	Benefits
Multifunctional Enhancements	Emollient, Hair & Skin Conditioning Agent
Fortifying	Storage and Shelf-Life Stability, Inhibits Biodegradation
Fortifying	Self Preserving Formulations
No Animal Testing	No Special Labeling
No Conventional Preservatives	Easier to Navigate Global Regulations

### Color/Odor/Bio-Fouling Formulation Stability Testing

Formulations	Initial			1 Month @ 35°C			3 Months @ 35°C		
	Color Change	Odor Change	Bio-fouling	Color Change	Odor Change	Bio-fouling	Color Change	Odor Change	Bio-fouling
<b>Control Formulation/ No Enhansys</b>	No	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes
<b>Control Formulation/ 2.0% <i>Enhansys CG-100</i></b>	No	No	No	No	No	No	No	No	No

Note: Biodegradation/Bio-fouling/Spoilage of formulations can be caused from poor quality water, raw materials and/or environment.

**Enhansys™ CG-100** is a functional ingredient:  
Caprylyl Glycol CAS# 1117-86-8, EINECS# 214-254-7

Refer to Material Safety Data Sheet for Handling and Safety Information and Toxicology Summary.

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