Hampford Research INC
Handcrafted Solutions For A High-Tech World

BarGuard® CP
FP 5044

General

BarGuard® CP is a 100% active liquid, broad spectrum antimicrobial preservative formulated for use in cosmetics and personal care products. Its unique, paraben and formaldehyde free formulation makes it ideal for both leave-on and rinse-off applications. BarGuard® CP maintains its efficacy over a wide pH range (3-10) but is ideally suited for a pH of around 6. BarGuard® CP is robust enough for use in more challenging applications, such as sunscreens and protective lotions.

Key Features

- Broad spectrum efficacy even in the most difficult applications
- Easily emulsifiable
- Exhibits both humectant and emollient properties
- Free from hazardous ingredients including parabens, MIT, CIT, and formaldehyde
- Does not contain Bovine, Ovine, or Caprine derived materials

Product Information

Product Type:	Antimicrobial and Preservative
CAS Numbers:	1117-86-8; 122-99-6; 107-41-5
INCI Names:	Caprylyl Glycol, Phenoxyethanol, Hexylene Glycol
Applications:	Cosmetics
Registrations:	TSCA; EINECS

Typical Properties

Appearance:	Colorless to Light Yellow Liquid
Water Content:	< 3.0%
Color:	0 - 15 Pt-Co
Solubility:	>1.5 g per 100g of water

Typical Usage

BarGuard® CP can be used at concentrations as low as 0.5% by weight and is soluble up to 1.5% in most cosmetic formulations. For maximum performance, BarGuard® CP should be added directly to the water phase of the formulation and gently heated to facilitate dissolution, however, it can also be added post-

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emulsification if there is a need. Care should be taken not to exceed 50°C, as this may cause premature loss of efficacy.

Safety and Handling

Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents. Handle in a well-ventilated area with suitable protective equipment. Use local exhaust if dust is generated. Avoid prolonged exposure to heat and light.

Detailed information is provided in the SDS.

For additional information visit our website www.hampfordresearch.com.

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