



Elix-CARE OD

INCI Caprylyl glycol
CAS 1117-86-8

SPECIFICATIONS

Appearance Clear colorless liquid
(at 30°C)
Odor Very low odor
Assay (%) Min. 99.0

GENERAL INFORMATION

Elix-CARE OD, 1,2-octanediol, is a multifunctional cosmetic ingredient with moisturizing capacities and is very often used as an active with antimicrobial properties.

At room temperature Elix-CARE OD is a waxy substance that becomes a liquid at approximately 30°C to 35°C.

Elix-CARE OD is effective in most cosmetic formulations like toners, gels, creams, lotions, wipes as well as in rinse-off products like shampoos, bodywashes, etc.

Elix-CARE OD is used as a solvent, a humectant, and a viscosity decreasing agent. As a solvent, it can help to dissolve other ingredients and improve the spread ability of products. As a humectant, it can help to moisturize the skin by attracting and retaining moisture from the air. As a viscosity decreasing agent, it can help to thin out products and improve their flow. As an active with antimicrobial properties, it will support the efficacy of different preservative ingredients.

EFFICACY

Elix-CARE OD, Caprylyl glycol is a multifunctional ingredient with very good antimicrobial properties. It is a strong booster for many different preservative actives like Elix-KON PHE (phenoxyethanol) and Elix-KON BZA (benzyl alcohol), causing a broad-spectrum efficacy against bacteria, yeast and molds. The use of Caprylyl glycol (Elix-CARE OD) can significantly reduce the concentration of preservatives needed in the final formulation.

FORMULATION & RECOMMENDATIONS

The recommended use concentration for Elix-CARE OD, 1,2-octanediol, is 0.2 % - 1.0 %. When used in emulsions, it is recommended to incorporate Elix-CARE OD as much as possible into the water phase, despite the low solubility in water. It is highly soluble in oils and can be used in anhydrous formulas.

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0.2 % - 1.0 %

Solubility
Completely soluble in water and other cosmetic solvents

Temperature stability Up to 100°C

pH stability Up to pH of 12

BENEFITS

- Excellent booster for different preservative or preservative systems
- Improves moisturizing efficiency
- Can be used as a solvent

APPLICATIONS

Fragrances
Pharmaceuticals
Natural extracts

Cosmetics

- Skin care
- Sun care
- Make up
- Hair care
- Baby care
- Toiletries
- Wet wipes (including facial masks)

SHELF LIFE

Under proper storage conditions the shelf life is 24 months