

TECHNICAL DATA SHEET

Elix-SOL PCG

INCI Polyglyceryl-10 Caprylate, Coco Glucoside

CAS //



SPECIFICATIONS

Appearance	Clear or slightly cloudy liquid
Color	Light yellow
Odor	Slight, characteristic
Active Substance	65 – 70 %

GENERAL INFORMATION

Elix-SOL PCG is an innovative natural non-ionic solubilizer obtained from the esterification of polyglycerol and vegetable fatty acids. These acids are derived from renewable sources and produced with processes that protect the environment.

Elix-SOL PCG works well across a wide range of pH values and temperatures, including in the presence of mildly cationic substances and fragrances incorporating polar solvents.

FORMULATION AND RECOMMENDATIONS

Formulation Process

Easy process of use: add the oil or fragrance directly to the solubilizer, mixing until the blend is uniform and clear. Cold process are allowed.

Then add the water slowly and stir until being uniform.

Solubilizing Properties

Elix-Sol PCG is an excellent solubilizer of essentials oils and fragrances.

Its hydrotropic behavior allows the formation of hydrophobic interactions with the solute, improving solubilization and conferring hydrating and refreshing properties.

Foaming Properties

Elix-Sol PCG also enhances foam formation in water, creating a luxurious, thicker, and creamier foam.

Cleansing Properties

Thanks to its effective cleansing properties, this solubilizer is able to improve the make-up removal and all the sensory aspects of the cleansers. The cleansing efficacy was verified by diluting 3% solubilizer in water. Once the solution became homogeneous, 1g of it was applied to a cotton pad. The cotton pad was then used to remove the high-payoff lipstick, applying one pass at a time.

Recommended concentration

3,0 – 5,0%

HLB

15

Recommended pH

4,5 – 8

Recommended T °C

20°C – 45 °C

BENEFITS

- Natural
- Bio-degradable
- Non-toxic ingredients
- Environmentally friendly choice
- Cold process

APPLICATIONS

Cosmetics

- Skin Care
- Hair care
- Toiletries

SHELF LIFE

36 months under proper storage conditions

REGULATORY

Natural Origin Index (ISO 16128)	1.00
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