

Elix-SOL PCG

Natural solubilizer

INCI: Polyglyceryl-10 caprylate, Coco glucoside

What is a solubilizer?

Solubilizers are more water soluble than emulsifiers and are used to incorporate very low level (usually less than 2% total lipids) into an aqueous formula such as a shampoo, shower gel, toner.

Elix-SOL PCG is the ideal natural solubilizer to obtain a transparent formula, avoiding the historical benchmark synthetic solubilizers such as PEG 40 Hydrogenated castor oil, Polysorbate 20 and Polysorbate 80.

Elix-SOL PCG is a high performance natural solubilizer that is also cost effective compared to others in the same range, helping the formulator

Potential use cases:

Adding **Elix-SOL PCG** in a facial tonic formula with essential oils, creates a transparent and attractive aqueous base, avoiding the oil droplets on the surface of the water.

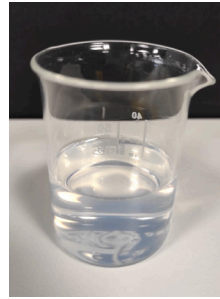
Some preservatives have oil-soluble components that need to be solubilized before added to a water-based product this ensures proper dispersion and stability.



Easy to process clear water products

Adding **Elix-SOL PCG** in an aqueous formulations is simple and effective. Each different essential oil will require a different amount of solubilizer, it is recommended to do laboratory tests.

Comparative ratios have been performed using this natural solubilizer with **1% Tea Tree**. The same trials have been done with several competitors' natural solubilizers, only **Elix-SOL PCG** gives a clear and stable product over time, even using lower percentages.



3% Elix-SOL PCG



5% Elix-SOL PCG

Ingredient characteristics:

Appearance:	Clear yellow liquid
Odor:	Soft characteristic odor
Composition:	Polyglyceryl-10 caprylate, Coco glucoside
Origin:	100% Natural Natural Index as for ISO 16128 : 1
INCI:	Polyglyceryl-10 caprylate, Coco glucoside



Formulation example

Method of use: The following table shows amounts of substances that can be solubilized by 3 grams of Elix-SOL PCG to obtain a clear solution.

Product to be solubilized	Content (%)
Triticum vulgaris oil	0.51
Tocopheryl acetate	1.05
Menthol	0.72
Eucalyptus	0.45

Use of the ingredient :

Incorporate the fragrance and/or oil into the solubilizer and then add the aqueous phase

Application

- Aqueous formulations
- Serums
- Make-up remover
- Wet-wipes
- Sun care products
- Skin care products