

# BIOSOL-VEG

*Discover our 100% natural and PEG-free solubilizer*

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## BIOSOL-VEG

**BIOSOL-VEG is an innovative, natural-origin, PEG-free solubilizer which can also work as an effective make-up remover.**

**Does not alter the skin's barrier function**

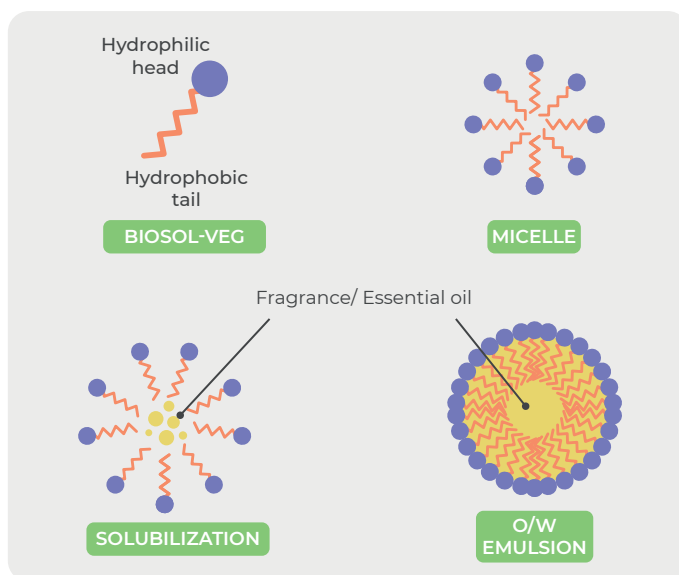
**Excellent make-up cleaner**

**Total dermo-compatibility**

**Moisturizes the skin**

## Main benefits

- 1. Efficiency in Solubilization:** Suitable for lipophilic fragrances, essential oils, chemical sunscreens and oil soluble active ingredients.
- 2. Eco-friendly:** Made from renewable and plant-based raw materials. It is biodegradable and respectful of the environment.
- 3. Easy to use:** It can be used in both hot and cold processes.
- 4. Skin Benefits:** Promotes skin moisturization and effectively removes dirt and dead cells without skin irritation.
- 5. Formulation benefits:** Enhances sensory perceived scent of fragrance. It does not alter the final viscosity of the formulation.



## Applications and method of use

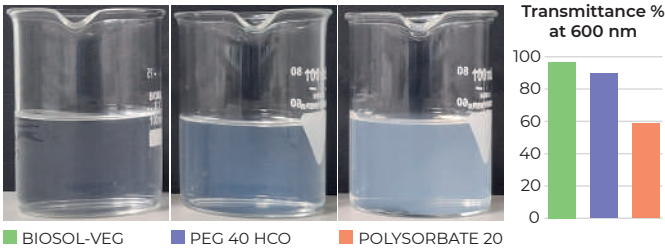
- **pH Range and temp:** Compatible with any temperature and pH value.
- **Compatibility:** Compatible with any ingredient including cationic surfactants and solvent-based fragrances.
- **Optimal Ratios:** Solubilization depending on the fragrance, it can vary, from 1:1 to 4:1.
- **Versatile Applications:** Suitable for perfume, makeup remover, skin cleaners, shampoos, body washes, hair gels, and wipes.
- **Effective Makeup Remover** Effective make-up remover of foundation, mascara, and lipstick.

Test

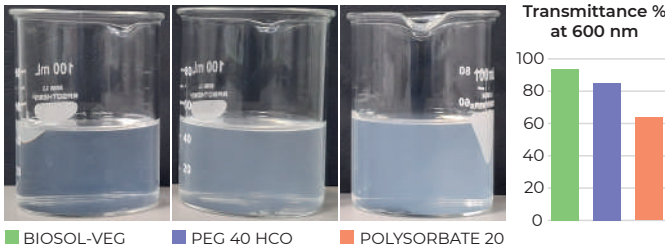
SOLUBILIZATION EFFICACY

Comparison of the solubilizing efficacy of cosmetic fragrances and essential oils between Biosol-Veg, Polysorbate-20 and PEG-40 HCO. The transparency level of the solutions was evaluated spectrophotometrically at 600nm. Solubilizer/oil ratio = 3:1.

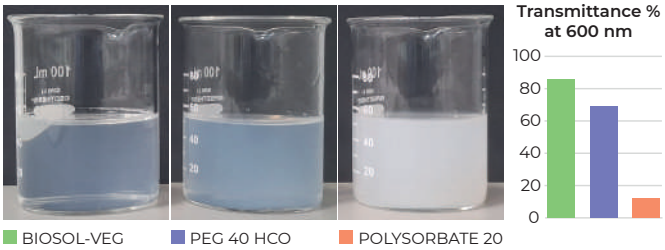
FRAGRANCE - 01



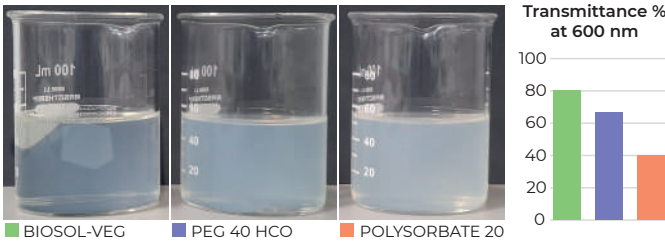
FRAGRANCE - 02



ESSENTIAL OIL MIX - 01



ESSENTIAL OIL MIX - 02



MAKE-UP REMOVING EFFICACY AND SKIN COMPATIBILITY

The efficacy of Biosol-veg to remove make-up residues was evaluated by testing the cleaning efficacy of a 2% solution and compared with solutions containing the same quantities of other common surfactants.

BIOSOL-VEG



PEG 40 HCO

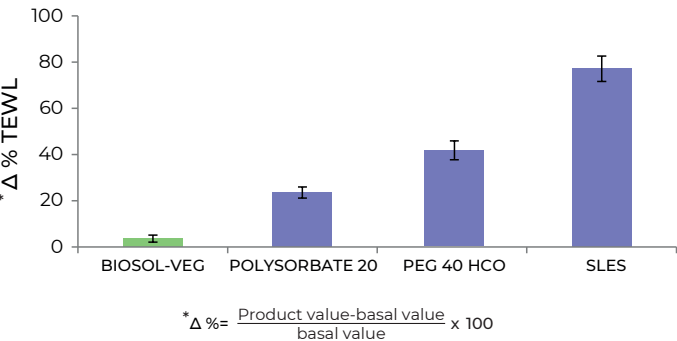


POLYSORBATE 20



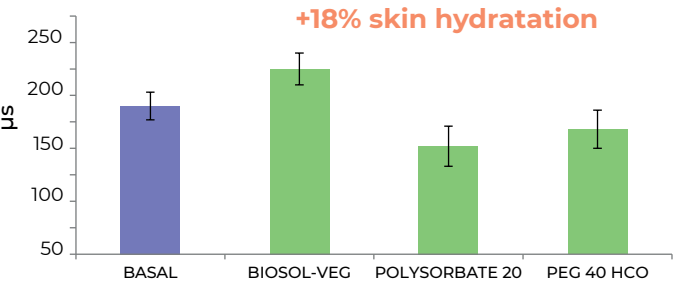
EFFECT ON TRANS EPIDERMAL WATER LOSS (TEWL)

A single application containing 2% of the tested solubilisers was applied to 22 volunteers (aged between 18 and 56 years). TEWL analysis was performed with a multi-parametric Dermalab (Cortex Technology Denmark).



EFFECT ON SKIN HYDRATION

A single application containing 2% of the tested solubilisers was applied to 22 volunteers (aged between 18 and 56 years). Analysis of Skin Hydration was carried out using a Dermalab multiparameter Combo (Cortex Technology Denmark).



Inci Name

Caprylic/Capric Glycerides Polyglyceryl- 10 Esters, Lauryl glucoside, Glycerin

Compliant

EU - US - China - Japan