

ECTOinOIL®

ECTOinOIL® is a 100% natural and multifunctional bioactive. It is the first oil-compatible Ectoin and is specially developed for the use in sustainable, water-smart formulas.

- » improves skin roughness and elasticity (*in vivo*)
- » increases hydration (*in vivo*)
- » suitable for sensitive skin (*in vivo*)

All claims of Ectoin® **natural** also apply to ECTOinOIL®.



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Nature provides the idea –
we add the science.

bitop
Extremolytes for life

Next Generation of Extremolytes

» for water-smart solutions

» clinically proven efficacy

ECTOinOIL® is the first oil-compatible Ectoin and is specially developed for the use in water-free formulas. **ECTOinOIL®** allows brands to develop sustainable, water-smart products with great efficacy.

This 100% natural and multifunctional bioactive can be used in various cosmetic applications, such as:

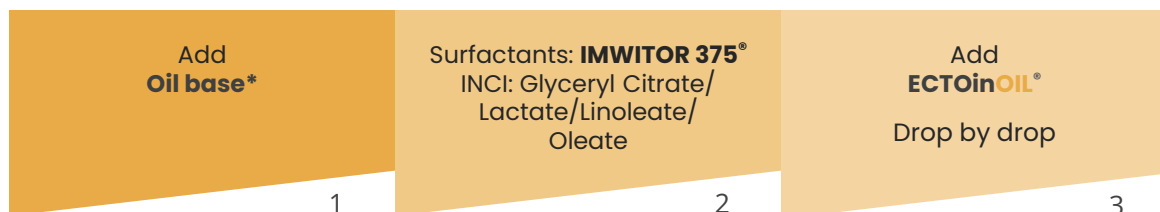
- skincare formulations (face and body)
- anhydrous formulations: oil-serum, body oils
- color cosmetics (e.g., foundation, mascara, eye shadow, pressed powders)
- baby care
- sun care

As the recognized expert for Ectoin, researchers of bitop aimed to make the highly water-soluble molecule Ectoin available for water-free formulations and therefore developed **ECTOinOIL®**.

With this innovative bioactive, formulators can create highly effective and water-smart or water-less products with Ectoin which are clean, green, minimalistic and sustainable. Furthermore, **ECTOinOIL®** is also produced by means of sustainable manufacturing processes (bio fermentation).

The combination of water-saving applications (reducing the 'water-footprint') and sustainable manufacturing origin makes this active ingredient a true "green ingredient".

How to incorporate ECTOinOIL® into a formulation:



- Level of use: 1-5%
- Can be added directly to oil the phase under 80 °C in color cosmetics and lip care
- For clear oils the dosage of oils and surfactants need to be adjusted
- Compatible with MCT, esters, vegetable oil and surfactants
- Dimethicone: will always give a non-clear solution

Technical data

| | |
|----------------------------|---|
| INCI | Aqua (Water), Caprylyl/Capryl Glucoside, Propanediol, Ectoin |
| Description | Clear liquid, oil compatible solution, easy to formulate |
| Appearance | Clear colorless to yellowish liquid |
| Solubility | Water soluble, oil soluble (please see formulation guidelines) |
| CAS No. | 7732-18-5, 68515-73-1, 504-63-2, 96702-03-3 |
| EINECS/EC No. | 231-791-2, 500-220-1, 207-997-3, 431-910-1 |
| Content of Ectoin® natural | Ectoin® natural content is about 10% in ECTOinOIL® (e.g.: 0.5% Ectoin® natural = ECTOinOIL® 5%) |
| Shelf life | 24 months |
| Stability | Temperatures <80 °C |
| Storage conditions | Dry place at 15-25 °C, tightly closed |
| Pack sizes | 1 kg |

bitop
Extremolytes for life

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