



OLIVEM[®] 1000

The first emulsifying active ingredient

HALLSTAR 
B E A U T Y

OLIVEM® 1000

Olivem® 1000 (Cetearyl Olivatate, Sorbitan Olivatate) is a PEG-free naturally derived self-emulsifying active ingredient designed for oil-in-water systems. Drawing from Hallstar's deep expertise in olive oil chemistry, Olivem® 1000 is derived from a complex combination of fatty acids that are chemically similar to the composition of the hydrolipidic film of the skin. Olivem® 1000 has the ability to generate liquid crystal structures, making it an ideal biomimetic ingredient in terms of composition and structure for use in a very wide range of applications.



COSMOS APPROVED

TECHNICAL DATA

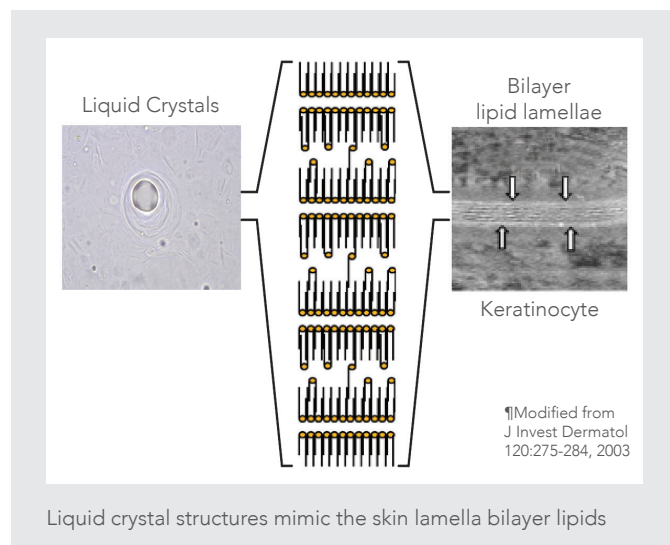
- INCI: Cetearyl Olivatate, Sorbitan Olivatate
- China approved
- Solvent-free manufacturing and preservative free
- Ivory flakes (non-sticky, easy to handle)
- Recommended concentration: 0.5-5%; pH of stability: 4.5-8.0;
- Melting point; 65-75°C

A BIOMIMETIC INGREDIENT

Olivem® 1000 is a biomimetic ingredient designed to mimic the physiological processes and chemical composition of human skin for complete skin affinity and maximum performance.

	Coconut oil	Olive oil	Healthy Skin Sebum
Unsaponifiables	max 0.60	1.0-1.5	5.0
Fatty acids (FA)	—	—	—
Palmitic	8.0-10	7.5-20	25-29
Stearic	1.5-5.0	0.5-5.0	20-28
Oleic*	6.0-9.0	55-83	30-35
Linoleic*	1.0-2.2	3.5-13.5	3.0-3.5
Linolenic*	max 0.3	max 0.8	max 1.2
Lauric	42-52	—	—
Myristic	16-19	<0.1	—
Capric	6.0-8.0	—	—
Caprylic	5.0-10	—	—
Capronic	0.5-10	—	—

* Chemically analogous to skin's surface liquid composition



SENSORIAL VERSATILITY

Olivem® 1000 into Water Phase	Olivem® 1000 into Oil Phase
Light sensation	Nutritive
Moderate soapy effect	Reduced soapy effect
Less glossy	More glossy
Fast absorbed	Longer play time

Quasi-drug (Japan)

Hallstar Italia, as a member of RSPO, is interested in supporting the efforts of RSPO to promote the growth and use of sustainable oil palm products. We are now able to provide a certified sustainable version of this product according to the Mass Balance supply chain model.

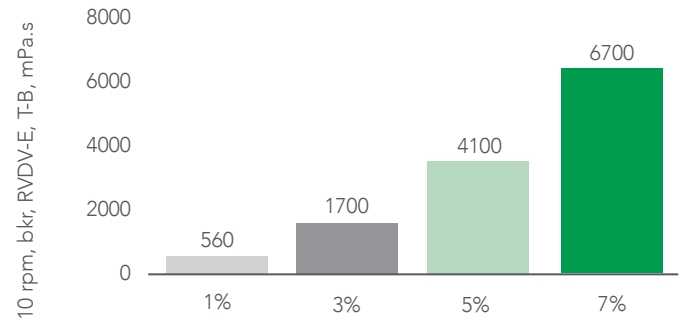
EASY-TO-USE FORMULATION BASE

Recommended dosage levels: 0.5-5%

Phase	INCI Name [INN/SAN] (Other Information)	Trade Name	% Wt
A	Water (Aqua) (deionized)	-	up to 100
	Trisodium Ethylenediamine Disuccinate	-	0.30
B	Cetearyl Oliviate, Sorbitan Oliviate	Olivem® 1000	5.00
	BHT	-	0.10
C	Preservative	-	a.n.

Glycolic anhydrous gel formation at 5% with:

- Glycerin
- Propylene Glycol

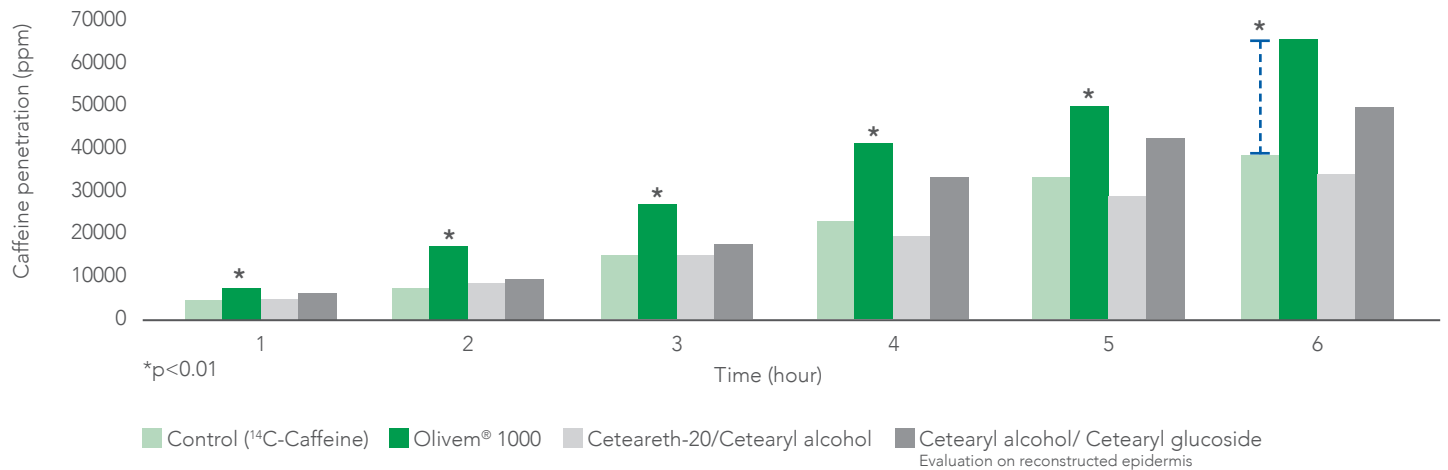


As emulsifier 3-5%

5% Olivem® 1000 emulsifies up to 20% oil concentration of wide range of emollients

CLINICALLY-PROVEN DELIVERY OF ACTIVE INGREDIENTS

Acts as a carrier of caffeine into the epidermis and promotes the delivery of water-soluble active ingredients

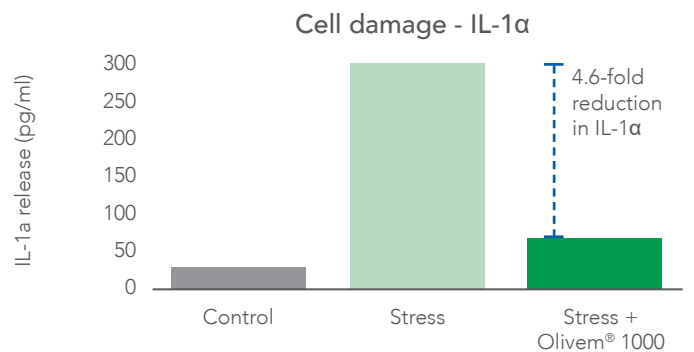


PROTECTIVE EFFECT

5% Olivem® 1000 in water demonstrates a good soothing, reparatory and regenerating activity on keratinocytes.

Skin equivalent (human epidermis)

1. Exposure to Triton x-100 (detergent)
2. Post-stress application of Olivem® 1000 5% gel
3. Measurement of cell viability - MTT assay (mitochondrial activity)
4. Measurement of cellular integrity
Release of the pro-irritant IL-1α



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