



## Product Name: OLIVEM® 1000

**INCI Name:** SORBITAN OLIVATE, CETEARYL OLIVATE

### Description:

This HallStar PEG-free self-emulsifying multifunctional ingredient (white to ivory waxy flakes at 20°C, melting point ~ 70°C), is a complex combination of fatty acids, chemically similar to the lipidic composition of the skin surface. It has the ability to generate liquid crystal structures that mimic the stratum corneum organization. As the sole emulsifier, it provides a deep moisturizing effect with excellent spreadability and no soapy effect. It has good compatibility with Dihydroxyacetone and with alpha-hydroxy acids and is useful in formulations with pH 3 - 12. Further, it is validated by Ecocert. The recommended use level is 1.5 - 4% in O/W emulsions as the sole emulsifier (3 - 4% for higher viscosity systems).

For more information about Olivem 1000, please see [www.olivem1000.com](http://www.olivem1000.com), [www.btcompany.com/olivem1000.asp](http://www.btcompany.com/olivem1000.asp), or contact HallStar Customer Service at 1-877-427-4255. For a product sample, please click on 'Request a Sample' in the toolbar above.

### Typical Properties:

Appearance (25°C)	White to ivory waxy solid flakes
Color (Gardner)	4 (molten)
Odor	Slight, characteristic
Melting Range (°C)	65 - 75
HLB	8 - 9
Saponification Value (mg KOH/g)	110
Acid Value (mg KOH/g)	6
pH (5% aqueous)	6
Water [Moisture] (%)	0.5

### Toxicology Profile:

Acute Oral Toxicity	Very low toxicity for analogs (LD50>5g/kg)
Repeat Insult Patch Test (Human)	Not irritant
CIR Expert Panel	Sorbitan fatty acid esters safe in present practices of use.
Biodegradability	Readily biodegradable (OECD 301-B)

### Features & Benefits:

Biodegradable, Emulsifying Agent (O/W), and Plant Derived / Vegetal Based

### Suggested Uses:

After Sun Skin Care, Daily Wear Sun Care, Eye Area Color Cosmetics, Facial Cleansers, Facial Color Cosmetics, Facial Skin Care, Hair Conditioners, Hand & Body Care, Nail Care, and Self-Tanners

### Soluble in:

- Alcohol [Ethanol]
- Ethyl Acetate
- Glycerin (dispersible)
- Isopropyl Alcohol
- Methyl Alcohol
- Mineral Oil (dispersible)
- Propylene Glycol (dispersible)
- Vegetable Oil (dispersible)
- Water (hot: dispersible)

### Packaging:

Container	Weight
Drum	20 kgs
Pail	5 kgs

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*The technical information and suggestions for use contained herein are believed to be reliable, but they are not to be construed as warranties and no patent liability can be assured.*

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