

OLICONE VAS - Vegetable Alternative to Silicone Specification (Liquid Emollient)

ASSAY	SPECIFICATION
INCI	Hydrogenated ethylhexyl olivate (and) hydrogenated olive oil unsaponifiables
Appearance, 20°C	Clear liquid
Color	Almost colorless
Odor	Faint
Acid value (mg KOH/g)	Max 1
Iodine value (gI ₂ /100g)	Max 3
Saponification value (mg KOH/g)	125 - 150
Refractive index, 20°C	1.4460 - 1.4500
Density, 20°C (g/mL)	0.845 - 0.865
Shelf life	24 months
Packaging	25kg net stackable plastic jerrycans/ 180kg net metal drums
Storage	Store in a cool dry place in original unopened packaging

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Claims

- Highly stable transparent liquid emollient
- Olive origin, with great affinity with the skin
- Can be used as a vegetable alternative to silicones (Cyclomethicone D5, Dimethicone DC 200, etc)
- Stable viscosity at any temperature (like Cyclomethicone D5)
- Stable color at high temperature (100° C)
- Stable odor at high temperature (100° C)
- Stable peroxide value at high temperature (100° C), like silicones
- Preservatives free
- Compatible with most oily ingredients (with different polarities), unlike silicones

Cosmetic Properties

- Soft, light and non greasy feel
- Quick skin penetration
- Dry after feel with a long lasting silky feel
- Excellent skin moisturizer/ hair conditioner, like silicones
- Restores skin suppleness and elasticity
- Compatible with all skin types
- Improves hair brightness and smoothness (easier combing), like silicones
- Imparts great sensorial performance and spreadability to formulations, non interfering with formulations viscosity
- Helps reducing the whitening effect of some formulations (like silicones' low surface tension): anti-soaping effect
- Allows to formulate clear foaming products (shampoos, shower gels, etc...), unlike some silicones (with which formulation gets cloudy): no need to add a solubilizer to obtain a clear product
- Compatible with most surfactants used in foaming products (good foaming properties compatibility)

Use: Shampoo & shower gels: 0.5% to 3%

Introduce it to the surfactant system before the addition of water

Emulsions: 0.5% to 15%

Oils: max 40%

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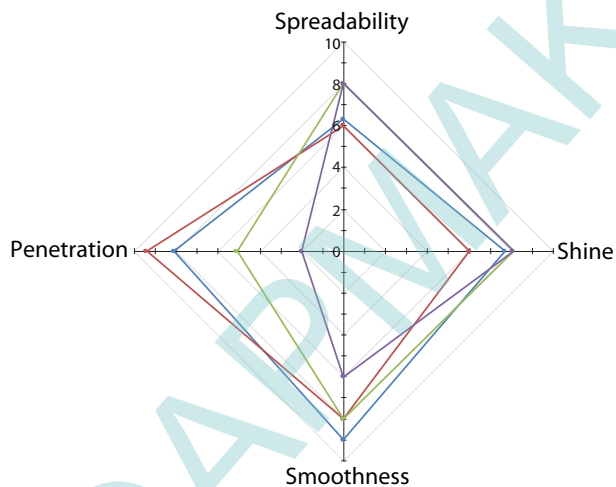
Cosmetic Interest

- Skin care: moisturising creams & lotions (including anti-aging), oily skin cosmetics
- Body care: body milks & lotions, dry oil body sprays, shower gels
- Hair care: shampoos, conditioners & masks
- Sun care and after sun: creams & lotions, oils & balms
- Men's care: after shave balms, moisturising creams
- Colored cosmetics: foundations, lipsticks & lipglosses

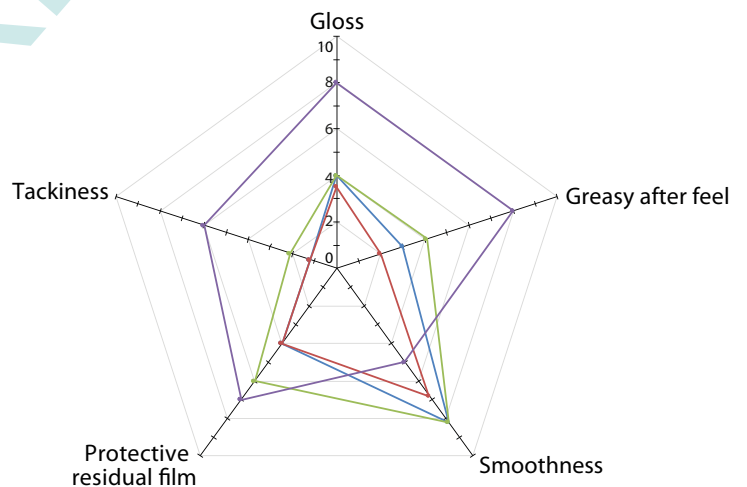
COSMOS/ ECOCERT

SENSORIAL PROPERTIES

At application



After application



- Vegetable Alternative to Silicone
- Cyclomethicone
- Dimethicone
- Sunflower oil