

# Floramac® 10

Botanical Alternative to Many Silicones



a **Cargill** company

## Benefits & Functions:

- Low Viscosity Silicone Alternative
- Increased Hair Shine
- Reduced Comb Force
- Heat Protection for Hair
- Nature-Derived\*
- Biodegradable\*\*
- Pigment Dispersion Properties
- UV Filter Solubilizer
- Increased Skin Hydration
- Increased Skin Radiance



## Floramac 10

Floramac 10 is a moisturizing mixture of macadamia esters. Macadamia's high palmitoleic acid content is similar to that found within human skin surface lipids. Floramac 10 leaves a silky, smooth after-feel similar to cyclopentasiloxane.

Floramac 10 provides excellent oxidative stability, high spread, and low slip.

Floramac 10 provides formulators with a natural alternative to silicones, and provides brand managers with clinically substantiated benefits.

## Clinical Studies

**Skin:** Floramac 10 increases skin radiance and skin hydration, and effectively removes makeup while leaving the skin silky smooth.

**Hair:** Floramac 10 reduces hair breakage and comb force, increases hair shine and provides heat protection.

**Sun and Color:** Floramac 10 enhances the dispersion of pigments and inorganic sunscreen\*\*\* actives, and aids in the solubilization of organic sunscreen actives.



**iLabel®**

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\*According to ISO16128. \*\* According to OECD 301B. \*\*\* Cargill has not tested Floramac 10 in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer.

The Natural Solution



# Floramac® 10

INCI: Ethyl Macadamiate

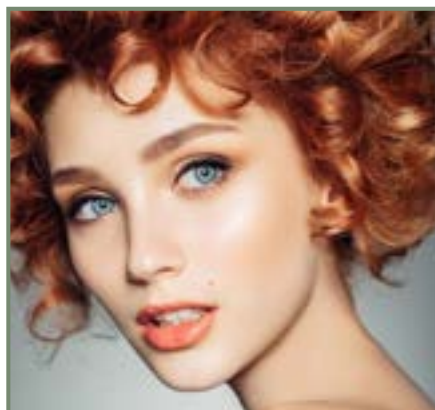


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## Floramac 10: A Silicone Alternative

Floramac 10 is a nature-derived\* substitute for low viscosity silicones. It can be gelled to mimic the properties of medium viscosity silicones, and can be used in combination with silicones. Floramac 10 remains on the skin and imparts a degree of skin hydration greater than traditional silicones.



### Hair Care:

- Hair shine
- Heat protection
- Consumer preference
- Hair breakage
- Comb force (wet & dry)



### Skin, Sun and Color:

- Skin radiance
- Skin hydration
- Pigment dispersion
- Consumer preference

#### Floramac 10 Properties:

- liquid at RT
- refractive index: 1.44-1.45
- non-GMO
- skin feel similar to cyclopentasiloxane

Visit [floratech.com/ClinicalStudies](http://floratech.com/ClinicalStudies) to learn more.

Applications	Typical Use Level
Anhydrous	1 - 30%
Cleansers	0.1 - 3%
Color Cosmetics	1 - 30%
Hair Care	1 - 10%
Skin Care	1 - 10%
Sticks	1 - 20%
Sun Care	1 - 10%
Floratech Formulations	Formula Number
Clear, Silicone-Free Under Eye Rejuvenator	<a href="#">D010</a>
Cream to Powder Foundation	<a href="#">M025</a>
Exfoliating Cleansing Oil Gel	<a href="#">C034</a>
Gentle Touch BB Cream	<a href="#">M036</a>
L22 Day Cream with Sunscreen Actives	<a href="#">L044</a>
Moringa Butter Moisturizing Body Masque	<a href="#">L041</a>
Pre-Sun Lotion with Floramac 10	<a href="#">S021</a>
Quat and Silicone Free Hair Conditioner	<a href="#">H022</a>
Water-Free Cleansing Balm	<a href="#">C033</a>

Global Regulatory Data
CAS: 214495-31-5 or 85049-36-1 or 85049-35-0
EC: 285-206-0
Globally Approved including: Australia, China, EU, Japan, Korea and US
<b>Botanical Origin:</b> Macadamia ( <i>Macadamia integrifolia</i> )
<b>Packaging:</b> 180 kg Drum (standard) 16 kg Pail (optional)

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REV: NOV 2021

Demo Available

Visit: [floratech.com/formulas](http://floratech.com/formulas)