



## Floraesters™ 20

Ideal balance for smooth skin feel and hair manageability



**DERIVED NATURAL  
ACCORDING TO  
ISO 16128<sup>1</sup>**



**COSMOS  
APPROVED<sup>2</sup>**



**BIODEGRADABLE<sup>3</sup>**



**VEGAN SUITABLE<sup>4</sup>**

CARGILL SUSTAINABILITY SCORE



### Origin:

- INCI: Jojoba Esters
- Jojoba esters originate from jojoba (*Simmondsia chinensis*), a plant native to the Sonoran Desert

### Sustainability:

- Supported by the Cargill Beauty Jojoba Promise™ Sustainability program, which was created to improve the sustainability of jojoba cultivation on a global scale through our business/purchases for the Personal Care industry by committing to 3 pillars:
  - Resilient farmers & communities
  - Sustainable water use
  - Traceability

### Benefits & Functions:

- Ideal balance of lightness, high slip during application, moderate gloss, and leaves a smooth after-feel in skincare applications
- Well suited for light hold hair care products to enhance manageability while providing anti-humidity properties
- Increases skin hydration
- Improves appearance of healthy skin
- Enhances skin barrier function and recovery
- Reduces the appearance of skin redness
- Non-greasy skin feel

### Uniqueness:

- Jojoba oil is nature's only botanical source of liquid wax esters and is very similar to the wax esters in sebum found on the skin and scalp<sup>5</sup>
- Floraesters™ can be blended to create unique textures, sensory appeal and various playtimes

### Characteristics:

- Non-comedogenic
- High oxidative stability
- Low color and odor
- Non-GMO

### Technical data:

- Appearance: Soft, creamy paste
- Color: White to pale yellow
- Dropping point °C: 43-49
- Typical OSI (hours): 135



Discover more  
about our  
ingredients



# Applications



Dose of use: 1-8%



Dose of use: 1-5%



Dose of use: 1-3%<sup>6</sup>

Floraesters™ 20

## Hair manageability with Floraesters™ 20

Time: T(0) T (7 hours) T (overnight)



Floraesters™ 20 resulted in less curl reversion when tested under high humidity when compared to polyvinylpyrrolidone (PVP)\*

\*Hair serums with and without Floraesters™ 20 were applied to each tress, followed by exposure to high heat and humidity for up to 24 hours. Tresses were naturally wavy European hair that had been double bleached, and flat-ironed straight prior to placement in the humidity chamber.

## Product Details:

- CAS N° 61789-91-1
- EC N° 612-381-6
- Shelf Life: 3 years
- Packaging: 16kg pail (standard)

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<sup>1</sup> ISO 16128-1:2016 and ISO 16128-2:2017

<sup>2</sup> Cosmos standard v4, 2023

<sup>3</sup> This product when tested was found to be inherently biodegradable according to OECD 302 B.

<sup>4</sup> The responsibility of a vegan claim lies with the cosmetic manufacturer. Please consult your own legal or regulatory experts to ensure suitability of the product with your preferred standard.

<sup>5</sup> <https://pubmed.ncbi.nlm.nih.gov/29465384/>

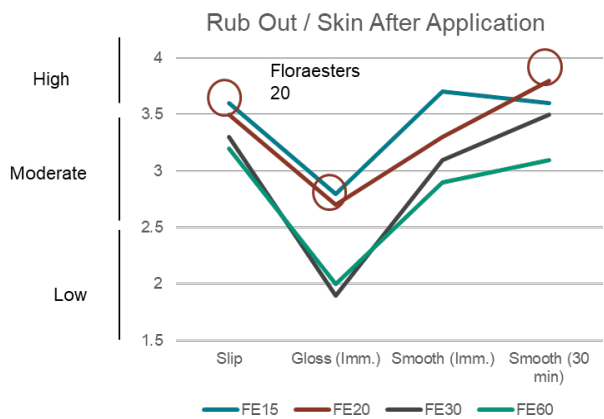
<sup>6</sup> Cargill has not tested Floraesters 20 in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer.

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## Consumer Preference for Hair Serum containing Floraesters™ 20



Consumers showed overall preference for hair serum containing Floraesters™ 20 over PVP for attributes including manageability, softness, volume, and curl definition\*\*

Floraesters™ 20 has a balance of lightness, high slip during application, moderate gloss, and leaves a smooth after-feel which is well suited for light hold / products to enhance manageability.

\*\*Female consumers (n=24) evaluated the hair serums with 3% Floraesters™ 20 versus 3% PVP in a split head study by preference for attributes during application, immediately and 6 hours after application.

For more formulation tips and application examples:



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