



Floraesters™ 30

Support, protect and enhance repair



**DERIVED NATURAL
ACCORDING TO
ISO 16128¹**



**COSMOS
APPROVED²**



BIODEGRADABLE³



VEGAN SUITABLE⁴

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:

- Biomarker study* results suggest that 2% Floraesters™ 30 may improve wound healing response when compared to the vehicle and untreated skin
- Balance of occlusivity, moderate smoothness/slip during application and smooth skin feel after application
- Enhances anti-pollution 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

*The study was conducted to determine how 2% Floraesters™ 30 in a lotion would impact biomarkers associated with wound healing using a 3D in vitro skin model containing epidermal keratinocytes and dermal fibroblasts (Mattek ETF-400-WH). Linear fold changes (FΔ) were calculated relative to untreated control. FΔ>2.0 are typically considered biologically relevant (p<0.05).

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 scalp⁵
- 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 : 48-52
- Typical OSI (hours): ~165



Discover more
about our
ingredients



Applications



Dose of use: 1-8%



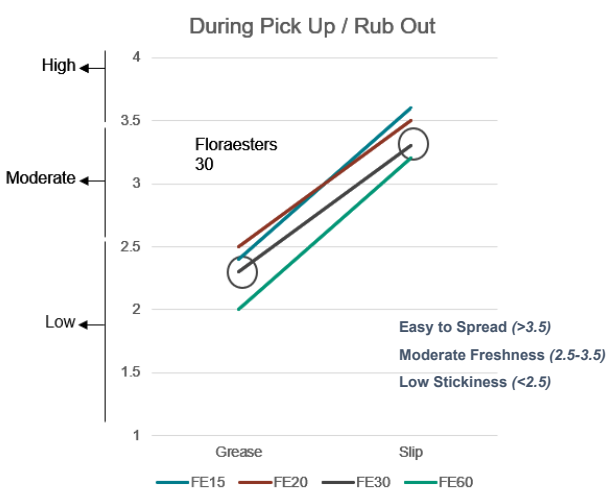
Dose of use: 1-5%



Dose of use: 1-3%⁶

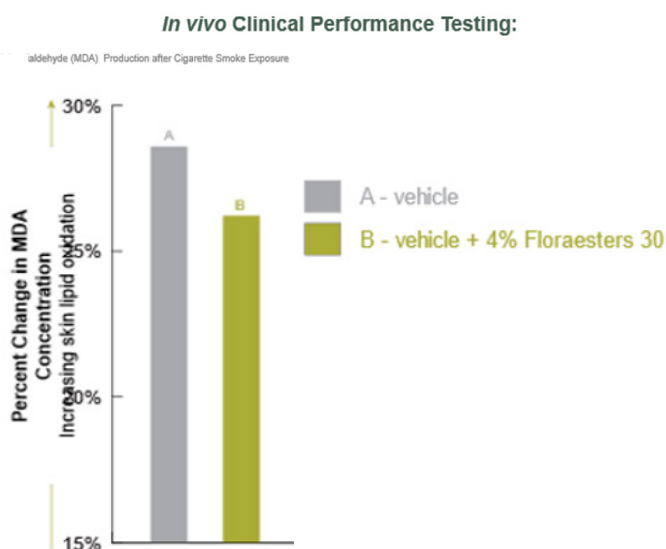
Floraesters™ 30

Floraesters™ 30 is perfect for barrier enhancing products



Floraesters™ 30 has a balance of occlusivity, moderate smooth/slip during application, with low greasiness, making it an excellent choice for enhancing barrier products - both sensorially and functionally.

Floraesters™ 30 helps to improve anti-pollution properties



*In a study to determine if Floraesters 30 in lotions could reduce the effects of pollution (cigarette smoke) as evaluated by Malondialdehyde (MDA) concentration (MDA is used as an indicator of skin lipid oxidation due to pollution) (n=22, a lotion containing 4% Floraesters 30 was evaluated against the vehicle. Results showed production of up to 15% less MDA as compared to the vehicle, thus improving anti-pollution properties.

Product Details:

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

Contact us at: beauty@cargill.com

For more formulation tips and application examples:



¹ ISO 16128-1:2016 and ISO 16128-2:2017

² Cosmos standard v4, 2023

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

⁴ 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.

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

⁶ Cargill has not tested Floraesters 30 in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer.

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