



Floraesters™ 60

Enhancing skin barrier protection and hydration benefits



**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:

- Increases skin hydration
- Enhances skin barrier function and recovery
- Improves appearance of healthy skin
- Reduces the appearance of skin redness
- Offers post-rinse emolliency
- 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 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: firm paste
- Color: white to pale yellow
- Dropping point °C : 57-61
- Typical OSI (hours): ~190



Discover more
about our
ingredients



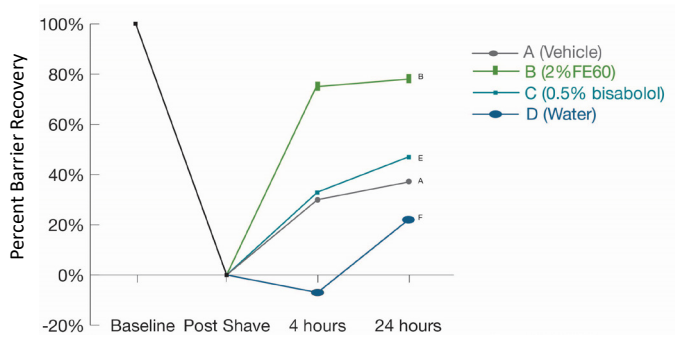
Applications (dose of use: 1-8%)



Floraesters™ 60

Floraesters™ 60 Enhances Barrier Recovery and Helps Reduce the Appearance of Erythema

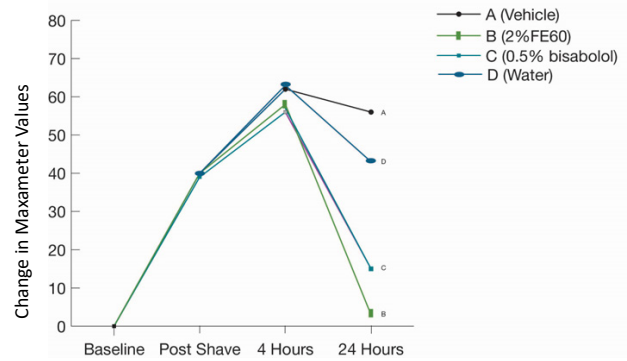
Enhanced Barrier Recovery



A lotion containing 2% Floraesters™ 60 increased barrier recovery as measured by transepidermal water loss (TEWL) better than the vehicle lotion and better than the lotion containing 0.5% of the known anti-irritant bisabolol⁶

Test Procedure: Baseline (pre-shave) TEWL measurement* (Tewameter) were taken on normal forearms. The forearms were then dry shaved followed by 30-minute post-shave measurements. The test article were then applied to each test site (2.5mg/cm²). An additional test article application was made 4 hours later. TEWL measurements were repeated 24 hours post test article application.

Reduced Appearance of Erythema



A lotion containing 2% Floraesters™ 60 decreased erythema (redness) better than the vehicle lotion at 24 hours, demonstrating similar results to the lotion with 0.5% bisabolol⁶ (known anti-irritant)

Test Procedure: Baseline (pre-shave) Mexameter measurements were taken on normal forearms. The forearms were then dry shaved followed by 30-minute post-shave Mexameter measurements. The test article were then applied to each test site (2.5mg/cm²). An additional test article application was made following the 4-hour measurements.

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 STANZYL K. VOLHARDT J. "THE CASE OF ALPHA-BISABOLOL" HANDBOOK OF COSMETIC SCIENCE AND TECHNOLOGY. ED. AO BAREL, M. PAYNE, AND HI MAIBACH, NEW YORK, NY; MARCEL DEKKER, 2001.277-84

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