



Floraesters® 70

Stick strengthening, free flowing wax particles



**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:

- Can be used at low-usage levels to strengthen stick formulations such as eyeliners, lipsticks and antiperspirants
- Offers exceptional oxidative stability and narrow melting point range
- May be used individually or custom blended with other Floraesters™ to achieve a desired texture

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: hard wax, free-flowing particles
- Color: white
- Dropping point °C : 66-70
- Typical OSI (hours): >600



Discover more
about our
ingredients



Applications



Dose of use: 0.1-5%



Dose of use: 1-5%



Dose of use: 0.2-9%



Dose of use: 0.5-1.5%



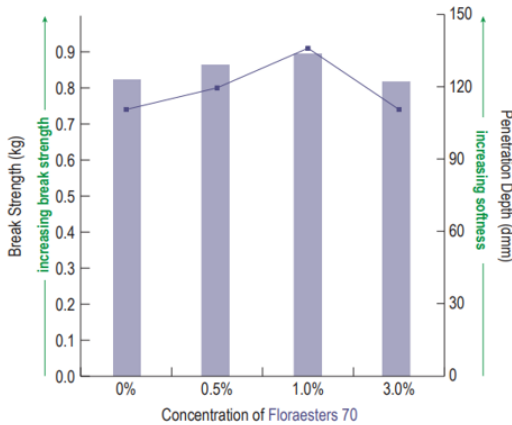
Dose of use: 0.1-5%⁶



Dose of use: 1-5%

Floraesters[®] 70

Floraesters[™] 70 for Increased Break Strength and Decreased Hardness in Lipsticks



Break Strength & Hardness Control with Floraesters 70 (castor oil base)

—●— Floraesters 70 (break strength)
■ Floraesters 70 (softness)

Lipsticks with a primary castor oil base were formulated with varying amounts of Floraesters[™] 70

Conclusions:

Addition of 0.5-1% of Floraesters[™] 70 increases break strength of lipstick without increasing hardness, creating a more resilient lipstick without affecting the aesthetics.

Product Details:

- CAS N° 61789-91-1 or 92457-12-0
- EC N° 296-292-4
- Shelf Life: 5 years
- Packaging: 100kg drum (standard), 10kg pail (optional)

For more formulation tips and application examples:



Contact us at: beauty@cargill.com

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 70 in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer.

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