



**Floraesters K-20W®**  
**Jojoba**

The non-traditional moisturizing agent with a unique solubility profile



**ISO 16128**  
**100%**  
**NATURE DERIVED<sup>1</sup>**



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



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



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

**Origin:**

- INCI: Hydrolyzed Jojoba Esters (and) Water (Aqua)
- Jojoba (*Simmondsia chinensis*)

**Traceability:**

- The jojoba plant requires very little water and can be grown on land that is often unsuitable for other types of crops
- Mainly sourced from Chile, Israel, Peru and the United States

**Benefits & Functions:**

- Excellent substantivity
- Promotes skin barrier recovery
- Enhances hydration potential
- Improves water resistance
- Reduces appearance of skin redness
- Antipollution properties
- Increases skin firmness & elasticity
- Reduces appearance of large pores
- Rich emolliency; leave-on & rinse-off
- Improves conditioning effect on wet hair
- Improves hair dye color retention
- Unique solubility profile

**Uniqueness:**

- Synergistic effect with glycerin and extends hydration of glycols which can boost long-lasting moisturization
- Improves conditioning properties and hair color performance thanks to its film-forming properties

**Technical data:**

- Soft viscous liquid
- pH range 9-11
- Dose of use: 0.1-5%



Discover more about our ingredients



**Compatibility:**

Alcohol	pH	Sulfate surfactants	Non-sulfate surfactants
✓	5-12	✓	✓

## Applications



- Boosts skin hydration together with glycerin
- Improves barrier function
- Increases skin firmness
- Reduces the appearance of pores
- Antipollution benefits
- Dose of use: 1-5%



- Increases skin firmness and elasticity
- Reduces the appearance of pores
- Dose of use: 0.1-1%



- Improves water resistance in sunscreen applications<sup>5</sup>
- Dose of use: 1-5%



- Increases skin barrier function
- Reduces appearance of redness in nonwoven wipe applications
- Dose of use: 0.1-1%



- Improves conditioning effect on wet hair
- Improves hair dye color retention
- Dose of use: 1-5%

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## Formulation tips

Guidance	Predispersion	pH sensitive systems	Low pH systems	Neutralizing Carbomers
<b>Formulation tips</b>	Blend Floraesters K-20W Jojoba thoroughly with glycols or glycerin at a 3:1 ratio of glycol or glycerin to Floraesters K-20W Jojoba. Add solubilizer to the predispersion prior to introducing to the water phase if a clear solution is desired. Blend must be uniform and free of gel bodies before adding to remaining system.	Add Floraesters K-20W Jojoba after the emulsion has been created at 50-60°C, but prior to making pH adjustments. For polymeric systems, add Floraesters K-20W Jojoba after the emulsion has been created, but before neutralization of the polymer. Floraesters K-20W Jojoba will partially neutralize the polymer when used at low levels and can completely neutralize the polymer when used at higher levels.	Add the predispersion of the Floraesters K-20W Jojoba at 50-60°C, after the emulsion has been created, but prior to adjusting the pH.	Gel Systems: Slowly add the predispersed Floraesters K-20W Jojoba to the hydrated carbomer phase while mixing. If clarity is required, add a solubilizer to the predispersion.  Emulsion Systems: Add Floraesters K-20W Jojoba neat wherever TEA would typically be added.

For more formulation tips and application examples:

### Product Details:

- CAS N° 85186-93-2 (and) 7732-18-5
- EC N° 286-079-4 (and) 231-791-2
- Packaging: 16kg pail (standard)



Contact us at: [beauty@cargill.com](mailto:beauty@cargill.com)

<sup>1</sup> International Organization for Standardization - Guidelines on technical definitions and criteria for natural and organic cosmetic ingredients —first edition: 2016.

<sup>2</sup> Cosmos standard v3, June 2020

<sup>3</sup> This product when tested was found to be readily biodegradable according to OECD 301 F.

<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> Cargill has not tested Floraesters K-20W Jojoba in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer.

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