



Floraesters K-20W®
Jojoba

The non-traditional moisturizing agent with a unique solubility profile



**DERIVED NATURAL
ACCORDING TO
ISO 16128**



**COSMOS
APPROVED**



**READILY
BIODEGRADABLE
ACCORDING TO
OECD 301 B¹**



VEGAN SUITABLE²

Origin:

- INCI: Hydrolyzed Jojoba Esters (and) Water
- Derived from jojoba oil, a unique botanical source of liquid wax esters
- Jojoba Oil is pressed from the seeds of the jojoba plant, and hydrolyzed to create Floraesters K-20W Jojoba.

Traceability & Sustainability:

- 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

Uniqueness:

- 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

Technical data:

- Soft viscous liquid
- Unique solubility profile
- pH range 9-11
- Dosage 0.1-5%

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
- Typical usage level: 1-5%



- Increases skin firmness and elasticity
- Reduces the appearance of pores
- Typical usage level: 0.1-1%



- Improves water resistance in sunscreen applications³
- Typical usage level: 1-5%



- Increases skin barrier function
- Reduces appearance of redness in nonwoven wipe applications
- Typical usage level: 0.1-1%



- Improves conditioning effect on wet hair
- Improves hair dye color retention
- Typical usage level: 1-5%

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Formulation tips

Guidance	Predispersion	pH sensitive systems	Low pH systems	Neutralizing Carbomers
Formulation tips	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.

Contact us at: beauty@cargill.com

¹ All the components of the raw material are readily biodegradable according to OECD 301 B.

² 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.

³ 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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