



# Total Pore-Control Astringent

Product Highlighted: **Floraesters K-20W® Jojoba**



a **Cargill** company

This moisturizing astringent featuring Floraesters® K-20W Jojoba is designed to increase skin hydration and firmness while maintaining pore health. The formula helps remove dead skin resulting in a more even skin tone and leaves the face looking more youthful and feeling refreshed. 

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Deionized Water	Water	-----	q.s.
	Versene® Na2 Crystals Chelating Agent	Disodium EDTA	The Dow Chemical Co.	0.05
	Sodium Phosphate Dibasic	Disodium Phosphate	Sigma-Aldrich, Inc.	0.10
	Tego® Cosmo C 100	Creatine	Evonik Industries AG	0.10
	N-Acetyl-D-Glucosamine	Acetyl Glucosamine	Penta Manufacturing Company	0.05
	Trehalose 100 Preservative <sup>1</sup>	Trehalose	Hayashibara Co., Ltd.	0.10
B.	Sodium Hyaluronate Powder (1% Solution)	Sodium Hyaluronate (and) Water	Tri-K Industries Inc.	q.s. 0.10
	Ethanol Solutions 3, UN 1170, PG II, SDA 40-2, 200 Proof Solubilisant® LRI	Alcohol Denat.	Remet Corporation	20.00
	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>1.00</b>
C.	Glycerine 99.7% USP Kosher	Glycerin	Acme-Hardesty Co	4.00
	Distilled Witch Hazel, USP 14% Standard Alcohol	Hamamelis Virginiana (Witch Hazel) Water (and) Alcohol	American Distilling, Inc.	4.00
	Butylene Glycol	Butylene Glycol	Nexeo Solutions	0.50
	Preservative <sup>2</sup>	-----	-----	q.s.
	Violet (1.5% Solution) <sup>3</sup>	Blue 1 (and) Red 40 (and) Propylene Glycol (and) Water (and) Preservative	Sensient Cosmetic Technologies and Emerald Performance Materials	q.s.
	<b>Total</b>			<b>100.00</b>

## Mixing Procedure

1. In the main vessel, mix all ingredients of Phase A with moderate propeller agitation at room temperature.
2. In a separate vessel, mix ingredients of Phase B with moderate propeller agitation at room temperature.
3. Add Phase B to Phase A with moderate propeller agitation at room temperature.
4. Add ingredients of Phase C to Phase AB in the order listed.

<sup>1</sup> Preservative: Potassium Sorbate FCC (INCI: Potassium Sorbate) supplied by TRI-K Industries Inc.

<sup>2</sup> Preservative: Bronidox® 1160 (INCI: Phenoxyethanol) supplied by BASF Corporation

<sup>3</sup> To prepare Violet (1.5% Solution), combine the following ingredients and mix until dissolved.

Ingredient	%wt./wt.
Red 40 (Emerald Performance Materials)	1.0
Blue 1 (Sensient Cosmetic Technologies)	0.5
Propylene Glycol, USP	49.25
Deionized Water	q.s.
Preservative	q.s.
<b>TOTAL</b>	<b>100.00</b>

Typical Properties: **pH: 7 - 9**

Note: The information herein is based on our research and the research of others and is believed to be accurate. No guarantee of accuracy is made and the products are provided without warranty, expressed or implied and upon condition that purchasers shall make their own tests to determine the suitability, stability or safety of such products for their particular purposes. Likewise, statements concerning the possible use of these products are not intended as recommendations to use these products in infringement of any patent or in the treatment, prevention, or cure of any medical condition. INCI/trade names must be verified with each manufacturer. Cargill has not tested Floraesters K-20W Jojoba in final OTC drug formulations. Compliance with FDA regulations is the responsibility of the customer. (Cleared for Public Disclosure)

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 \*Efficacy Data Available (ref. Formulator Report FR-004: Astringent with Floraesters K-20W Jojoba)