



# Water-Resistant/Smudge-Resistant Mascara with K-20W Jojoba



a **Cargill** company

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

This formula produces a long-lasting, water-resistant, smudge-resistant mascara that thickens and lengthens lashes. Floraesters® K-20W Jojoba contributes to the long-lasting moisture resistance while still allowing easy make-up removal.

Phase	Trade/Common Name	INCI Name	Manufacturer	%wt/wt
A.	Carnauba Wax SP 63	Copernicia Cerifera (Carnauba) Wax	Strahl & Pitsch	1.00
	Candelilla Wax SP 75	Euphorbia Cerifera (Candelilla) Wax	Strahl & Pitsch	5.00
	Beeswax Yellow Refined SP 6	Beeswax	Strahl & Pitsch	5.00
	Ozokerite Wax Pastilles White SP 1026P	Ozokerite	Strahl & Pitsch	2.00
	Triple Pressed Stearic Acid	Stearic Acid	Essential Ingredients	5.00
	Lanette® 16 Fluilan	Cetyl Alcohol Lanolin Oil	BASF Corporation Croda International	3.00 3.00
B.	Pur Oxy Black BC (34PC3190E)	Iron Oxides	DyStar	10.00
C.	Potassium Hydroxide (28% Solution)	Potassium Hydroxide (and) Water	Spectrum Chemical	3.00
D.	Deionized Water	Water	-----	q.s.
	Dermacryl® 79	Acrylates/Octylacrylamide Copolymer	Nouryon	2.50
	<b>Floraesters K-20W Jojoba</b>	<b>Hydrolyzed Jojoba Esters (and) Water (Aqua)</b>	<b>Floratech</b>	<b>12.50</b>
	Propylene Glycol USP/EP	Propylene Glycol	Ashland	3.00
E.	Preservative	-----	-----	q.s.
<b>Total</b>				<b>100.00</b>

## Mixing Procedure

1. Combine all ingredients of Phase A. Heat to 85–88°C with moderate propeller agitation.
2. Shift Phase A to homomixer. Add Phase B to Phase A at 85–88°C with rapid homomixing. Keep homomixing until the Pur Oxy Black BC (34PC3190E) is well-dispersed.
3. Add Phase C to Phase AB at 85–88°C with moderate propeller agitation.
4. Mix the Floraesters K-20W Jojoba with the Propylene Glycol USP/EP of Phase D. Mix with the deionized water of Phase D with moderate propeller agitation. Add the Dermacryl 79 of Phase D to the mixture with moderate propeller agitation and heat to 85–88°C.
5. Add Phase D to Phase ABC with moderate propeller agitation at 85–88°C. Start cooling to 45–50°C.
6. Add Phase E with moderate propeller agitation at 45–50°C.
7. Pour the mixture into containers while still warm.

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. (Cleared for Public Disclosure)