

**CC Cream No. 618**

		<b>Wt.%</b>
<b>A</b>	<b>VEEGUM® Ultra</b> Magnesium Aluminum Silicate	1.50
	Water	61.27
	Propanediol (Zemea® Propanediol <sup>1</sup> )	5.00
	Disodium EDTA	0.20
	Panthenol and Propylene Glycol (D-Panthenol 50-P <sup>2</sup> )	0.40
<b>B</b>	Iron Oxides (and) Microcrystalline Cellulose (C2-5 Yellow LLXLO <sup>3</sup> )	0.40
	Iron Oxide (C.I. 77491) (and) Cellulose (C2-5 Red R-516L <sup>3</sup> )	0.10
	Iron Oxide (C.I. 77499) (and) Cellulose (C2-5 Black BL-100 <sup>3</sup> )	0.03
	Titanium Dioxide (and) Cellulose (and) Alumina (C2-5 TiO <sub>2</sub> CR-50 <sup>3</sup> )	3.50
<b>C</b>	Crambe Abyssinica Seed Oil (Fancor® Abyssinian Oil <sup>4</sup> )	2.50
	Dimethicone (Xiameter® PMX-200 Silicone Fluid 350cs <sup>5</sup> )	1.00
	Polyglyceryl-3 distearate (Cremophor® GS 32 <sup>2</sup> )	3.00
	Ceteareth-25 (Cremophor® A 25 <sup>2</sup> )	1.50
	Cetearyl alcohol	3.00
	Tocopherol Acetate (Vitamin E Acetate Care DL-alpha-Tocopherol acetate <sup>2</sup> )	0.50
	Glyceryl Stearate (and) PEG-100 Stearate (Arlacel®165 VEG <sup>6</sup> )	2.00
Ethyl Hexyl Methoxycinnamate (Neo Heliopan® AV <sup>7</sup> )	7.50	
Mica (Sericite GMS-4C <sup>3</sup> )	3.00	
<b>D</b>	Glycyrrhizza Glabra (Licorice) Root Extract (Licorice Extract CG 4% <sup>8</sup> )	0.50
	Ethanol, USP	3.00
<b>E</b>	Retinyl Palmitate (Vitamin A Palmitate 1.7 Mio I.E./g <sup>2</sup> )	0.10
<b>F</b>	Preservative	q.s.
	Triethanolamine, 99%	q.s.

**Procedure:** While heating the water to 70-75°C, slowly add the **VEEGUM® Ultra** while agitating at maximum available shear. Mix until fully hydrated. Add the remaining Part A water phase ingredients. Combine the Part B ingredients, then add to Part A and mix until smooth. Maintain the water phase at 70-75°C. Combine the Part C, oil phase ingredients and heat to 70-75°C. Add the oil phase to the water phase with good agitation; mix until uniform. Cool while mixing to 40-45°C. Dissolve the licorice extract in the ethanol under agitation and then add Part D to the emulsion. Warm the retinyl palmitate to liquefy and make uniform prior to weighing out. Add the retinyl palmitate and mix until uniform. Continue to cool while mixing to 30-35°C, then add the preservative. Mix until uniform. Adjust as necessary to pH 6.0 ± 0.5 with triethanolamine.

**RAW MATERIAL SUPPLIERS**
<sup>1</sup>DuPont Tate & Lyle Bio Products Company, LLC, Wilmington, DE

<sup>2</sup>BASF Corporation, Florham Park, NJ

<sup>3</sup>Kobo Products, Inc., South Plainfield, NJ

<sup>4</sup>Elementis Specialties, Hightstown, NJ

<sup>5</sup>Dow Corning Corporation, Midland, MI

<sup>6</sup>Croda, Inc., Edison, NJ

<sup>7</sup>Symrise, Teterboro, NJ

<sup>8</sup>Sabinsa Corporation, Piscataway, NJ

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