

Salicylic Acid Acne Treatment Cream No. 610

	Wt. %	
A	VEEGUM® Ultra Magnesium Aluminum Silicate	2.5
	VANZAN® NF Xanthan Gum	0.5
	Water	73.4
	Etidronic Acid	0.1
	Propanediol (Zemea® Propanediol ¹)	5.0
B	Salicylic Acid – USP	1.0
	Steareth-21 (Brij® S721 ²)	1.5
	Steareth-2 (Brij® S2 ²)	3.5
	Cetearyl Alcohol (Protachem™ CS-50 ³)	1.5
	Stearic Acid (Pristerene® 9559 ²)	2.0
	PPG-15 Stearyl Ether (Arlamol® PS15E ²)	8.0
Dimethicone (Xiameter® PMX-200 Silicone Fluid 350cs ⁴)	1.0	
C	Preservative	q.s.
	Triethanolamine (Adj. pH to 3.8±0.2)	q.s.

Procedure: While heating the water to 80-85°C, slowly add the **VEEGUM® Ultra** and **VANZAN® NF** sequentially or as a dry blend while mixing at maximum available shear. Continue mixing until fully hydrated. Add the etidronic acid and propanediol in order, mixing after each addition until uniform. Maintain the water phase at 80-85°C. Combine the Part B oil phase ingredients and heat to 80-85°C. Add Part B to Part A slowly with adequate mixing; homogenize. Cool gradually while mixing. Add the preservative when the emulsion is <30°C, then adjust the pH to 3.8 ± 0.20 with triethanolamine.

RAW MATERIAL SUPPLIERS

¹DuPont Tate & Lyle Bio Products Company, LLC, Wilmington, DE

²Croda, Inc., Edison, NJ

³Protameen, Totowa, NJ

⁴Dow Corning Corporation, Midland, MI

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