

Long-wear and water-resistant foundation with Eastman AQ™ 38S polymer and Eastman Sustane™ SAIB MCT

Part	Product name	Wt%	Ingredient/INCI name	Manufacturer
A	Deionized water	58.2	Water (aqua)	—
	SOLAGUM™ AX	2.0	Acacia senegal gum (and) xanthan gum	SEPPIC
	Sodium hydroxide 50%	0.3	Sodium hydroxide	—
	Dermofeel® PA-12	0.1	Sodium phytate	Evonik-Dr. Straetmans
	Zemea®	2.0	Propanediol	DuPont Tate & Lyle
B	Eastman AQ™ polymer 38S (30% solution)	13.5	Polyester-5	Eastman
C	SIMULSOL™ 165	3.0	Glyceryl stearate (and) PEG-100 stearate	SEPPIC
	TEGOSOFT® APM	2.0	PPG-3 myristyl ether	Evonik Industries
	Eumulgin® B 25	1.5	Cetareth-25	BASF
	Stearic Acid USP (Triple Pressed)	2.5	Stearic acid	Vantage
	Eastman Sustane™ SAIB MCT	1.0	Sucrose acetate isobutyrate (and) caprylic/capric triglycerides	Eastman
	Covi-Ox® T 50	0.1	Tocopherol	BASF
	Neossance™ Hemisqualane	1.0	C13-15 alkane	Aprinnova
	Dermofeel® TEC eco	1.0	Triethyl citrate	Evonik-Dr. Straetmans
	XIAMETER® PMX-200 Fluid 200	2.0	Dimethicone	Dow
D	Pigment Blend Earth Brown	5.0	Titanium dioxide (and) CI77492	Making Cosmetics
	Mineral base	2.0	Mica (and) zinc oxide (and) titanium dioxide (and) silica	—
	Titanium dioxide liquid	2.0	Titanium dioxide (and) octyldodecanol	—
E	KEM EHG	1.0	Phenoxyethanol (and) ethylhexylglycerin	Akema

PROCEDURE

1. Weigh out the liquid components of part A into a clean, sanitized, stainless steel mixing vessel with mixer/homogenizer attachment, and heat to between 75°–80°C.
2. Once at temperature, incorporate the powder slowly to avoid gelling at a mixing speed of 600–800 rpm.
3. Weigh out part C into a clean, sanitized, stainless steel mixing vessel, and heat it to between 70°–75°C. Once homogeneous, incorporate with part A. Mix until homogeneous, and increase mixing speed to 1000–1200 rpm.
4. Incorporate part D, and once homogeneous, add part A/C mixture. Increase mixing speed to 1400–1600 rpm, and mix until homogeneous.
5. Incorporate part B, and once homogeneous, add part A/C/D mixture. Increase mixing speed to 1800–2000 rpm.
6. Start cooling, and then incorporate part E at < 50°C.
7. Adjust pH* if required.

*pH @ 25°C: 6.0–6.5

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Eastman Corporate Headquarters
P.O. Box 431
Kingsport, TN 37662-5280 U.S.A.

U.S.A. and Canada, 800-EASTMAN (800-327-8626)
Other Locations, +(1) 423-229-2000

www.eastman.com/locations

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