

French green clay face mask with Eastman AQ™ 38S polymer

Part	Product name	Wt%	Ingredient/INCI name	Manufacturer
A	Deionized water	57.88	Water (aqua)	—
	SAFIC® CARET XGC 80	0.50	Xanthan gum	Safic-Alcan
	Glycerin	8.00	Glycerin	Dow
	Dermofeel® PA-12	0.10	Sodium phytate	Evonik-Dr. Straetmans
B	TEGOSOFT® DEC	5.00	Diethylhexyl carbonate	Evonik Industries
	Lipovol™ ALM	4.00	Prunus amygdalus dulcis (sweet almond) oil	Vantage
C	Eastman AQ™ 38S polymer (30% solution)	10.00	Polyester-5	Eastman
D	Jarxotic™ GC-NS: Green Clay	3.00	Illite (and) montmorillonite (and) kaolin	Jarchem Innovative Ingredients
	VEEGUM® HV	4.00	Magnesium aluminum silicate	Vanderbilt Minerals, LLC
	ImerCare® 2K	6.00	Kaolin	Imerys
	VANATURAL®	0.50	Bentonite	Vanderbilt Minerals, LLC
E	KEM CP	1.00	Phenoxyethanol (and) chlorphenesin (and) ethylhexylglycerin	Akema
	Citric acid	0.01	Citric acid	—
	Sodium hydroxide 50%	0.01	Sodium hydroxide	—

PROCEDURE

1. Weigh out part A into a clean, sanitized, stainless steel mixing vessel with mixer/homogenizer attachment. Heat it to between 75°–80°C and slowly incorporate the xanthan gum.
2. Weigh out part B, heated to 70°–75°C, and add to part A while mixing until homogeneous.
3. Once part A/B mixture is homogeneous, incorporate part C. Mix until homogeneous.
4. Without heating, incorporate part D. Mix until all powder is completely dispersed.
5. Start cooling; then incorporate part E at < 50°C.
6. Adjust pH, if required, with sodium hydroxide 50% or citric acid.



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