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**FORMULATIONS FOR
COLOR COSMETICS**



BAYCUSAN®

POLYURETHANES FOR COSMETICS

Liquid Make-up Foundation

RR 8007	Ingredient	% by wt.
PHASE A	Water	62.00
	Carboxymethyl Cellulose ¹⁾	0.30
	Magnesium Aluminum Silicate ²⁾	0.35
	Lecithin ³⁾	0.40
	Triethanolamine	1.25
	Butylene Glycol	6.00
PHASE B	Titanium Dioxide (water dispersible)	8.00
	Red Iron Oxide	0.40
	Yellow Iron Oxide	0.80
	Black Iron Oxide	0.10
	Kaolin (colloidal)	2.00
	Methylparaben	0.20
	PHASE C	Isoeicosane
Isostearic Acid		1.00
Stearic Acid		2.50
Glyceryl Stearate		1.50
Tridecyl Trimellitate		1.00
Glyceryl Stearate SE		1.00
Propylparaben		0.20
PHASE D	Baycusan® C 1005	1.00
		100.00

Raw Materials: ¹⁾Blanose® CMC typ 7H₃SF, Hercules ²⁾Veegum® Ultra Granules, R.T. Vanderbilt
³⁾Cosphaderm® TOP NGM, LANXESS Distribution

Processing: Phase C is weighted in a suitable vessel and heated to 80–85 °C until all the waxes and solids are melted and the phase is uniform. Phase A is weighted in a suitable vessel and all ingredients are mixed. When all the gums are hydrated and the phase is uniform, the pre-ground pigment (phase B) is added to phase A and mixed until completely dispersed. The water phase A & B is then heated to 75–80 °C. Phase C is slowly added to the combined phases A and B. The emulsion is allowed to mix at 75 °C for 15 minutes and then cooled to 35 °C. At 35 °C phase D is slowly added to the batch and mixed until completely uniform and homogeneous. Cooling is continued to 25 °C.

Loose Face Powder

RR 8008	Ingredient	% by wt.
PHASE A	Talc	58.99
	Mica	10.00
	Zinc Stearate	6.00
	Lauroyl Lysine	0.45
	Bismuth Oxychloride	5.00
	Nylon-12	5.00
	Silica	5.00
	Yellow Iron Oxide	0.75
	Red Iron Oxide	0.38
	Black Iron Oxide	0.08
	Potassium Sorbate	0.20
	BHT	0.05
PHASE B	Baycusan® C 1005	5.00
	Ethylhexyl Palmitate	1.00
	Phenoxyethanol	1.00
	Dimethicone ¹⁾	1.00
	Tocopheryl Acetate	0.10
		100.00

Raw Materials: ¹⁾Dow Corning® 200 Fluid, Dow Corning

Processing: All phase A ingredients are blended together in a suitable blender and mixed until the phase is completely uniform. Phase A is pulverized two times using a hammer mill or equivalent. The uniformity and fineness of grind is checked by doing a paper press on a piece of white filter paper. There should be no color specks and streaks. If there are, the batch is grinded once again. Phase B is premixed in a suitable vessel, sprayed into phase A and mixed until all the batch is completely wet out and uniform. The batch is grinded again using a larger screen.

Pressed Powder Eyeshadow

RR 8010	Ingredient	% by wt.
PHASE A	Talc	35.22
	Mica	20.00
	Zea Mays Corn Starch	4.07
	Magnesium Stearate	2.71
PHASE B	Mica (and) Titanium Dioxide	15.00
	Mica (and) Titanium Dioxide (and) Carmine	7.50
	Mica (and) Iron Oxides	5.00
	Black Iron Oxides (and) Mica (and) Titanium Dioxide	2.50
	Baycusan® C 1005	2.00
PHASE C	Ethylhexyl Palmitate	5.90
	Propylparaben	0.10
		100.00

Processing: All phase A ingredients are blended together in a suitable blender and milled until the phase is completely uniform. Phase B is premixed in a suitable vessel and added into phase A. All phase C ingredients are mixed separately and heated to 70°C until the phase is clear and uniform. Phase C is then sprayed into phase A and B under agitation. The batch is pressed at 900 psi/62 bars.

Lip Gloss

RR 8011	Ingredient	% by wt.
PHASE A	Ricinus Communis (Castor) Seed Oil (and) Glycine Soja (Soybean) Germ Extract (and) Zea Mays (Corn) Starch (and) Silica ¹⁾	50.00
	Ricinus Communis (Castor) Seed Oil	27.34
	Olea Europaea (Olive) Oil	18.00
	Mica (and) Iron Oxides (mauve glitter)	0.40
	Mica (and) Iron Oxides (mauve)	0.75
	Mica (and) Iron Oxides (red ruby)	0.45
	Mica (and) Iron Oxides (satin wine)	0.75
	Methylparaben	0.20
	Propylparaben	0.10
	Ammonium Glycyrhizate	0.01
PHASE B	Baycusan® C 1005	2.00
		100.00

Raw Materials: ¹⁾Natunola® castor 1023, Natunola

Processing: All phase A ingredients are mixed together in a suitable vessel until the phase is completely uniform. Phase B is added into phase A.

Water-Resistant Oil-In-Water Mascara

RR 8012	Ingredient	% by wt.
PHASE A	Water	56.90
	Hydroxyethylcellulose ¹⁾	0.70
	Triethanolamine	2.00
PHASE B	Baycusan® C 1000	11.60
PHASE C	Glyceryl Stearate	2.50
	Beeswax	10.00
	Stearic Acid	5.00
	Phenoxyethanol	0.50
	Methylparaben	0.20
	Propylparaben	0.10
PHASE D	Iron Oxides (black)	10.00
PHASE E	Dimethicone ²⁾	0.50
		100.00

Raw Materials: ¹⁾Tylose® H4000 NG4, Shin Etsu ²⁾Abil® 350, Evonik

Processing: Phase A is dispersed. When hydroxyethylcellulose is completely hydrated and phase A is uniform, phase A is heated to 80°C. Baycusan® C 1000 is added while stirring. Phase C is weighted in a suitable vessel and heated to 80°C until all waxes and solids are melted. Phase D is added to the hot phase C while stirring. Phase C is slowly added to phase A. The emulsion is allowed to mix at 80°C for 15 minutes and then cooled to 25°C. At 45°C, phase C is added to the emulsion.

Rub & Water-Resistant Oil-In-Water Mascara

RR 8017	Ingredient	% by wt.
PHASE A	Water	56.10
	Hydroxyethylcellulose ¹⁾	0.70
	Triethanolamine	2.00
PHASE B	Baycusan® C 1004	12.40
PHASE C	Glyceryl Stearate	2.50
	Beeswax	10.00
	Stearic Acid	5.00
	Phenoxyethanol	0.50
	Methylparaben	0.20
	Propylparaben	0.10
PHASE D	Iron Oxides (black)	10.00
PHASE E	Dimethicone ²⁾	0.50
		100.00

Raw Materials: ¹⁾Tylose® H4000 NG4, Shin Etsu ²⁾Abil® 350, Evonik

Processing: Phase A is dispersed. When hydroxyethylcellulose is completely hydrated and phase A is uniform, phase A is heated to 80°C. Baycusan® C 1004 is added while stirring. Phase C is weighted in a suitable vessel and heated to 80°C until all waxes solids are melted. Phase D is added to the hot phase C while stirring. Phase C is slowly added to phase A. The emulsion is allowed to mix at 80°C for 15 minutes and then cooled to 25°C. At 45°C, phase C is added to the emulsion.

BAYCUSAN® C 1004

Liquid Eyeliner

RR 8019	Ingredient	% by wt.
PHASE A	Water	64.70
	Xanthan Gum ¹⁾	0.80
PHASE B	Black Iron Oxide	10.00
PHASE C	Laureth-4	1.00
	Propylene Glycol	2.00
	Phenoxyethanol (and) Ethylhexylglycerin	1.00
	PEG-10 Dimethicone	0.50
	Baycusan® C 1004	20.00
		100.00

BAYCUSAN® C 1005

Extreme Color Lipstick

RR 8027	Ingredient	% by wt.
PHASE A	Caprylic/Capric Triglyceride	16.00
	Hydrogenated Polyisobutene	12.00
PHASE B	Ricinus Communis (Castor) Seed Oil	22.80
	Euphorbia Cerifera (Candelilla) Cera ²⁾	5.60
	Copernicia Cerifera (Carnauba) Wax ²⁾	2.40
	Ozokerite	2.40
	Acetylated Glycol Stearate (and) Tristearin	2.80
PHASE C	C ₁₀₋₃₀ Cholesterol/Lanosterol Esters	5.00
	Ricinus Communis (Castor) Seed Oil (and) Glycine Soja (Soybean) Extract (and) Zea Mays(Corn) Starch (and) Silica ³⁾	7.00
PHASE D	Ricinus Communis (Castor) Seed Oil (and) Stearalkonium Hectorite (and) Propylene Carbonate ⁴⁾	6.00
	Red 7 Lake (and) Ricinus Communis (Castor) Seed Oil ⁵⁾	1.30
	Iron Oxide (and) Ricinus Communis (Castor) Seed Oil (Red) ⁶⁾	2.50
	Iron Oxide (and) Ricinus Communis (Castor) Seed Oil (Black) ⁷⁾	0.35
	Iron Oxide (and) Ricinus Communis (Castor) Seed Oil (Brown) ⁸⁾	1.25
	Titanium Dioxide (and) Ricinus Communis (Castor) Seed Oil ⁹⁾	1.80
	Yellow 5 (and) Ricinus Communis (Castor) Seed Oil ¹⁰⁾	0.20

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Raw Materials: ¹⁾Keltrol® CG-T, CP Kelco

Processing: Disperse xanthan gum into water. When phase A is uniform, add phase B and homogenize until uniform. While stirring, add phase C.

Extreme Color Lipstick

RR 8027	Ingredient	% by wt.
PHASE E	Mica ²⁾	3.00
	Baycusan® C 1005	5.00
	Mica (and) Iron Oxides (Red) ¹²⁾	2.00
PHASE F	Phenoxyethanol (and) Methylparaben (and) Butylparaben (and) Propylparaben (and) Ethylparaben (and) Isobutylparaben	0.50
	Tocopheryl Acetate	0.10
		100.00

Raw Materials: ¹⁾ Candelilla wax SP 75, Strahl & Pitch ²⁾ Carnauba SP 65, Strahl & Pitch ³⁾ Natunola® Castor 1023, Natunola ⁴⁾ Bentone Gel® CAO, Elementis ⁵⁾ COD 8001-40 % in Castor Oil, Sun Chemical ⁶⁾ COD 8006-50 % in Castor Oil, Sun Chemical ⁷⁾ COD 8004-50 % in Castor Oil, Sun Chemical ⁸⁾ 33-115-35 % in Castor Oil roller milled 3 times, Sun Chemical ⁹⁾ COD 8008-50 % in Castor Oil, Sun Chemical ¹⁰⁾ COD 8009-40 % in Castor Oil, Sun Chemical ¹¹⁾ Ronaflair™, Merck ¹²⁾ Cloisone® Super Rouge 450Z, Basf

Processing: Heat phase A and B to 80°C. Once melted add phase C and homomix until uniform. Then add phase D and mix until uniform. Add phase E and homomix until smooth. Reduce temperature to 75°C, add phase F. Pour at 70–75 °C.

Lipstick – Raspberry Delight

RR 8028	Ingredient	% by wt.	
PHASE A	Hexyldecanol (and) Propylenglycol Dicaprylate/ Dicaprate (and) Candelilla Cera (and) Hexyldecyl-laurat (and) Paraffinum Liquidum (and) Cera Microcristallina (and) C30-C50 Alcohol (and) Cera Alba (and) Buxus Chinensis (and) Carnauba (Copernicia Cerifera) (and) Polycyceryl-2 Dipolyhydroxystearat ¹⁾	79.40	
	PHASE B	Ricinus Communis (Castor) Seed Oil	7.00
		Baycusan® C 1005	4.70
		PEG-8 (and) Tocopherol (and) Ascorbyl Palmitate (and) Ascorbic Acid (and) Citric Acid	0.10
		Mica ²⁾	2.80
		Ethylhexylglycerin	0.50
		CI 15850 (and) Ricinus Communis (Castor) Seed Oil ³⁾	2.30
CI 77981 (and) Ricinus Communis (Castor) Seed Oil ⁴⁾	0.90		
PHASE C	Calcium Aluminium Borosilicate (and) Titanium Dioxide (and) Silica ⁵⁾	2.30	
		100.00	

Raw Materials: ¹⁾ Kahlbase 6285 Luster Lipstick Base, Kahl ²⁾ RonaFlair™ Silk Mica, Merck ³⁾ Covapate Unired LC 3779, LCW-Sensient Cosmetic Technologies ⁴⁾ Covapate Uniwhite LC 9781, LCW-Sensient Cosmetic Technologies ⁵⁾ Ronastar® Red Sparks, Merck

Processing: In the main vessel add ingredients of phase B and heat to 90 °C. In a side vessel add the ingredients of phase A and heat to 90°C until solids are melted. Add phase A to phase B while mixing and homogenize. Slowly add phase C to phase A–B while mixing. Pour sample at 90 °C.

BAYCUSAN® C 1005

Lipstick – Pearlescent Pink

RR 8029	Ingredient	% by wt.
PHASE A	Hexyldecanol (and) Propylenglycol Dicaprylate/ Dicaprate (and) Candelilla Cera (and) Hexyldecyl-laurat (and) Paraffinum Liquidum (and) Cera Microcristallina (and) C30-C50 Alcohol (and) Cera Alba (and) Buxus Chinensis (and) Carnauba (Copernicia Cerifera) (and) Polycyclyceryl-2 Dipolyhydroxystearat ³	71.90
PHASE B	Ricinus Communis (Castor) Seed Oil	6.40
	Baycusan® C 1005	4.20
	PEG-8 (and) Tocopherol (and) Ascorbyl Palmitate (and) Ascorbic Acid (and) Citric Acid	0.10
	Mica ²	2.50
	Ethylhexylglycerin	0.40
	CI 15850 (and) Ricinus Communis (Castor) Seed Oil ³	0.30
	CI 77491 (and) Ricinus Communis (Castor) Seed Oil ⁴	0.70
PHASE C	Mica (and) Titanium Dioxide ⁵	13.50
		100.00

Raw Materials: ¹ Kahlbase 6285 Luster Lipstick Base, Kahl ² RonaFlair™ Silk Mica, Merck ³ Covapate Unired LC 3779, LCW-Sensient Cosmetic Technologies ⁴ Covapate Unibrown LC 8780, LCW-Sensient Cosmetic Technologies ⁵ Timiron® Pearl Flake MP 10, Merck

Processing: In the main vessel add ingredients of phase B and heat to 90 °C. In a side vessel add the ingredients of phase A and heat to 90 °C until solids are melted. Add phase A to phase B while mixing and homogenize. Slowly add phase C to phase A-B while mixing. Pour sample at 90 °C.

BAYCUSAN® C 1005

Lipstick – Summer Feeling

RR 8031	Ingredient	% by wt.
PHASE A	Hexyldecanol (and) Propylenglycol Dicaprylate/ Dicaprate (and) Candelilla Cera (and) Hexyldecyl-laurat (and) Paraffinum Liquidum (and) Cera Microcristallina (and) C30-C50 Alcohol (and) Cera Alba (and) Buxus Chinensis (and) Carnauba (Copernicia Cerifera) (and) Polycyclyceryl-2 Dipolyhydroxystearat ³	79.00
PHASE B	Ricinus Communis (Castor) Seed Oil	6.00
	Baycusan® C 1005	4.50
	PEG-8 (and) Tocopherol (and) Ascorbyl Palmitate (and) Ascorbic Acid (and) Citric Acid	0.10
	Mica ²	2.80
	Ethylhexylglycerin	0.50
	CI 15850 (and) Ricinus Communis (Castor) Seed Oil ³	1.90
	CI 15850 (and) Ricinus Communis (Castor) Seed Oil ⁴	0.50
PHASE C	Candelilla Cera	0.90
	Titanium Dioxide (and) Mica (and) Silica ⁵	1.90
	Calcium Aluminium Borosilicate (and) Silica (and) Titanium Dioxide (and) Tin Oxide ⁶	1.90
		100.00

Raw Materials: ¹ Kahlbase 6285 Luster Lipstick Base, Kahl ² RonaFlair™ Silk Mica, Merck ³ Covapate Unired LC 3703, LCW-Sensient Cosmetic Technologies ⁴ Covapate Unired LC 3779, LCW-Sensient Cosmetic Technologies ⁵ Timiron® Splendid Red, Merck ⁶ Ronastar® Copper Sparks, Merck

Processing: In the main vessel add ingredients of phase B and heat to 90 °C. In a side vessel add the ingredients of phase A and heat to 90 °C until solids are melted. Add phase A to phase B while mixing and homogenize. Slowly add phase C to phase A-B while mixing. Pour sample at 90 °C.

Long Wear Water-in-Silicone Foundation

RR 8034	Ingredient	% by wt.
PHASE A	Dimethicone ¹⁾	11.00
	PEG-9 Ricinoleate	1.50
	Polytrimethylhydrosilylicicate	3.00
	Propylparaben	0.20
	Methylparaben	0.20
	Trihydroxystearin	2.00
PHASE A1	Magnesium Stearate	1.00
PHASE A2	Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone ²⁾	23.00
PHASE A3	Titanium Dioxide (and) Methicone ³⁾	8.25
	Iron Oxides (and) Methicone ⁴⁾	2.00
	Iron Oxides (and) Methicone ⁵⁾	0.59
	Iron Oxides (and) Methicone ⁶⁾	0.12
PHASE A4	Cyclopentasiloxane ⁷⁾	13.00

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Long Wear Water-in-Silicone Foundation

RR 8034	Ingredient	% by wt.
PHASE B	Water	21.19
	Diazolidinyl Urea	0.25
	Magnesium Sulfate	0.70
PHASE B1	Baycusan® C 1004	12.00
		100.00

Raw Materials: ¹⁾ Dow Corning® 200/100, Dow Corning ²⁾ Dow Corning® 5225 C formulation Aid, Dow Corning ³⁾ A310.35 Tudor Aspen, Kingfisher Colours ⁴⁾ A407.30 Tudor Willow Hydrophobic, Kingfisher Colours ⁵⁾ A405.30 Tudor Chestnut Hydrophobic, Kingfisher Colours ⁶⁾ A401.30 Tudor Ebony, Hydrophobic Kingfisher Colours ⁷⁾ SF 1202, Momentive Performance Materials

Processing: Melt ingredients A in the main vessel by heating to 85 °C under gentle mixing. When the temperature is reached, homogenize under vacuum for 5 minutes. Add A1 and keep the phase to 85 °C while homogenizing under vacuum for 5 minutes. Cool to 65–70 °C, then add A2 while mixing for 5 minutes. Add ingredients A3 then homogenize under vacuum for 15 minutes while keeping the phase at 65–70 °C. Then add A4 while mixing for 5 minutes under vacuum. In a lateral vessel insert the ingredients of Phase B while mixing for 5 minutes after each addition. Then heat the Phase to 65–70 °C. Add, very slowly, Phase B to Phase A–A4 while homogenizing, under vacuum, and keep such conditions for 10 minutes. Cool to 40 °C, then add B1 while homogenizing, under vacuum, for 10 minutes. Cool to room temperature while mixing.

Notes: Appearance: cream

Density (at 20 °C) = 1.07 +/- 0.02 g/mL

Viscosity (Brookfield RVT, 25 °C, 2.5 rpm) = 84000 +/- 8000 mPa·s

Viscosity (Brookfield RVT, 25 °C, 5 rpm) = 46000 +/- 5000 mPa·s

pH (dispersion 10 %) = 6.8 +/- 0.3

Long Wear Oil-in-Water Foundation

RR 8035

	Ingredient	% by wt.	
PHASE A	Hydrogenated Polydecene	3.00	
	Butylene Glycol Dicaprylate/Dicaprate	7.50	
	Caprylic/Capric Triglyceride	6.00	
	Isopropyl Palmitate	4.00	
	Limnanthes Alba (Meadowfoam) Seed Oil (and) Butyrospermum Parkii (Shea) Butter Extract	4.00	
	Sorbitan Monostearate	1.50	
	Glyceryl Stearate	2.00	
	Propylparaben	0.15	
	Methylparaben	0.30	
	BHT	0.05	
	PHASE A1	Titanium Dioxide ¹⁾	11.50
		Iron Oxides ²⁾	1.45
Iron Oxides ³⁾		1.28	

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Long Wear Oil-in-Water Foundation

RR 8035

	Ingredient	% by wt.
PHASE B	Water	30.37
	Disodium EDTA	0.05
	Betaine	2.00
	Propylene Glycol	2.00
	Glycerin	6.00
PHASE B1	Inulin Lauryl Carbamate	0.45
PHASE B2	Magnesium Aluminium Silicate ⁴⁾	0.70
PHASE B3	Microcrystalline Cellulose (and) Cellulose Gum ⁵⁾	0.50
PHASE C	Baycusan® C 1004	12.00
PHASE D	Water	3.00
	Quaternium-15	0.20
		100.00

Raw Materials: ¹⁾ A310 Tudor Aspen, Kingfisher Colours ²⁾ A407 Tudor Willow, Kingfisher Colours ³⁾ A403 Tudor Oak, Kingfisher Colours ⁴⁾ Veegum® K, RT Vanderbilt ⁵⁾ Avicel® CL-611, FMC Corporation

Processing: Add all A ingredients into main mixer, then heat to 70 °C under vacuum until complete solution. When the indicated temperature is reached, add Phase A1, then homogenize with turbine and blades under vacuum. Keep the temperature at 70 °C. Add in a side mixer ingredients B and mix to complete solution. Add to Phase B, B1, then B2 and finally B3 while homogenizing with turbine and blades under vacuum 5–10 minutes after each addition. Then heat to 65–70 °C while always homogenizing until dispersion and swelling are complete. Check homogeneity on a sample (no visible lumps). Add slowly Phase B-B3 to Phase A-A1 while homogenizing with turbine and blades under vacuum. Keep such condition for 5–10 minutes. Cool to 40 °C, then add C while homogenizing for 5–10 minutes under vacuum. Then add Phase D while homogenizing for 5–10 minutes under vacuum. Cool to room temperature while mixing.

Notes: Appearance: fluid cream

Density (at 20 °C) = 1.07 +/- 0.02 g/mL

Viscosity (Brookfield RVT, 25 °C, 2.5 rpm) = 16000 +/- 2000 mPa·s

Viscosity (Brookfield RVT, 25 °C, 5 rpm) = 10000 +/- 1000 mPa·s

pH (dispersion 10 %) = 7.2 +/- 0.3

Long Wear Water-in-Oil Foundation

RR 8036

	Ingredient	% by wt.
PHASE A	PEG-30 Dipolyhydroxystearate	1.00
	Polyglyceryl-4 Diisostearate/Polyhydroxystearate/Sebacate	4.00
	C12-15 Alkyl Benzoate	13.00
	Diethylhexyl Adipate	7.00
	Polyhydroxystearic Acid ¹⁾	0.25
	Polyhydroxystearic Acid ²⁾	0.25
	Glyceryl Behenate/Eicosadioate	0.70
	Magnesium Stearate	1.00
PHASE A1	Titanium Dioxide ³⁾	9.36
	Iron Oxides ⁴⁾	1.00
	Iron Oxides ⁵⁾	0.62

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Long Wear Water-in-Oil Foundation

RR 8036

	Ingredient	% by wt.
PHASE B	Water	40.07
	Magnesium Sulfate	0.70
PHASE C	Water	6.00
	Baycusan® C 1004	6.00
PHASE D	Propylene Glycol	2.00
PHASE E	Water	3.00
	Diazolidinyl Urea	0.25
PHASE F	Phenoxyethanol	0.80
PHASE G	Cyclopentasiloxane ⁶⁾	3.00
		100.00

Raw Materials: ¹⁾ Dispersun DSP OL 300, Innospec Active Chemicals ²⁾ Dispersun DSP OL 100, Innospec Active Chemicals ³⁾ A310 Tudor Aspen, Kingfisher Colours ⁴⁾ A407 Tudor Willow, Kingfisher Colours ⁵⁾ Unipure Brown LC 881, LCW-Sensient Cosmetic Technologies ⁶⁾ SF 1202, Momentive Performance Materials

Processing: In the main vessel blend and melt ingredient A to 75–80 °C. Add phase A1 and keep the whole phase to 75–80 °C while homogenizing under vacuum for 15 minutes. In a side vessel insert ingredients B while mixing for 5 minutes. Then heat phase B to 75–80 °C. Add slowly phase B to phase A–A1 while homogenizing, under vacuum, and keep such conditions for 10 minutes. Cool to 40 °C under vacuum, then add Phase C while homogenizing and continue for 10 minutes. Then, add phase D and phase E under vacuum, then homogenize for 10 minutes. Add phase F and phase G while mixing for 5 minutes after each addition. Cool to room temperature while mixing.

Notes: Appearance: cream

Density (at 20°C) = 1.05 +/- 0.02 g/mL

Viscosity (Brookfield RVT, 25 °C, 2,5 rpm) = 114000 +/- 10000 mPa·s

Viscosity (Brookfield RVT, 25 °C, 5 rpm) = 68000 +/- 7000 mPa·s

pH (dispersion 10 %) = 7.4 +/- 0.3

