

Principal/Trade Name, INCI	Weight %
Phase A	
Purified Water	68.55%
 Carbopol® Ultrez 30 Polymer Carbomer	0.50%
 Palmera® G997U Glycerin	2.00%
Versene NA2 Crystals Disodium EDTA	0.05%
 AMISOFT® HS-11P Sodium Stearoyl Glutamate	1.00%
Phase B	
 Emulsifying Wax Cetearyl Alcohol, Polysorbate 60	8.00%
 ELDEW® PS-203 R Phytosteryl/Octyldodecyl Lauroyl Glutamate	1.00%
 AMIHOPE® LL Lauroyl Lysine	0.50%
 Coconut Oil Cocos Nucifera (Coconut) Oil	4.00%
 Mirasil® C-DM Cyclopentasiloxane, Dimethicone	2.00%
Phase C	
Sodium Hydroxide (18% solution) Sodium Hydroxide	0.40%
Phase D	
 Fixate™ Superhold Polymer Polyacrylate-2 Crosspolymer	5.00%
Purified Water	5.00%
Phase E	
Sodium Hydroxide (18% solution) Sodium Hydroxide	0.40%
 AJIDEW® NL-50 Sodium PCA, Water	0.50%
Coconut U-11138 Fragrance	0.10%
Euxyl PE 9010 Phenoxythanol, Ethylhexylglycerin	1.00%
 Timiron® MP 149-Diamond Cluster Mica, Titanium Dioxide	
 Cab-O-Sil® TS 702 Silica	

Product Properties:

Appearance: White emulsion capsules

pH: 5.8-6.8

Viscosity: na

Stability: passed 50C (1 week), FT (5 cycles)

Procedure:

Phase A: Load the main tank with cold water and start mixing at moderate speed .

Add Carbopol®Ultrez 30 Polymer into the vortex and mix until the powder is dissolved. Add Versene NA2 Crystals and continue mixing. Start heating to 75C.

At 50C, sprinkle AMISOFT® HS-11P and mix at low speed to dissolve all the powder .

Phase B: Add all ingredients in a secondary vessel and heat to 75C. At 75C , add slowly phase B into phase A . Mix for 20 seconds, then add phase C . Homogenize for 20 seconds at 6000 rpm. Cool down the batch to 50C.

Phase D: Premix Fixate™ Superhold Polymer with Purified Water and add it slowly to the batch, while mixing. Keep mixing until the batch will be uniform. Keep cooling to RT.

Phase E: Add each ingredient in the indicated order and mix well after each addition.

Allow the batch to settle for 2-3 hours, then roll a small portion in a mixture of Timiron® MP 149 Diamond Cluster and Cab-O-Sil® TS702, ration 0.5:1.0 .

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Lubrizol

Carbopol® Ultrez 30 Polymer-This crosslinked acrylic acid homopolymer provides a solution for formulating skin care products with low to medium viscosities. Its improved electrolyte tolerance and broad pH compatibility makes it ideal for formulating products with botanical extracts or water-soluble salts, as well as acidic actives or ingredients such as alpha hydroxy acids, salicylic acid or organic acid preservatives at a pH range as low as 4.0 - 4.5.

AJINOMOTO

AMISOIFT® HS-11P is an anionic surfactant produced from L-Glutamic acid and plant derived palm fatty acid. It acts as a very mild surfactant leaving the skin feel soft and moisturized. This material is also a efficient natural emulsifier. The pH is similar to the one of the skin.

AJINOMOTO

ELDEW® PS-203R is an emollient derived from glutamic acid, natural fatty acid, higher alcohol and Phytosterol. It forms lamellar liquid crystals identical to ceramide. Because of its high affinity for the skin, ELDEW® starts to moisturize effectively as soon as it is applied. Further, this efficacy persists over long periods of time. Applied to SDS-induced damaged skin, ELDEW® helps skin recover its ability to retain moisture, thus improving rough skin conditions.

AJINOMOTO

AMIHOPE® LL is an amino acid based functional powder derived from L-Lysine (an amino acid) and fatty acids. It is insoluble in both water and oil. Its flat, hexagonal, and crystalline structure gives AMIHOPE® LL a very smooth, soft, silky feel, making it an ideal ingredient in cosmetic products. AMIHOPE® LL can be used as a pigment-dispersing agent or a texture improver in makeup, skin care, and hair care products.

BLUESTAR SILICONES

Mirasil® C-DM imparts a soft dry feel to the skin and can help to improve water resistance in sun care. In hair care applications, it will provide conditioning, antistatic properties and leaves the hair with a soft silky fell.

Lubrizol

Fixate™ Superhold Polymer provides excellent film forming properties that enable it to be used in skin care and hair care. For hair care applications, this polymer provides low-to-high viscosity styling products with high clarity, superior humidity resistance, excellent shine on hair, strong resistance to flaking and superior texture and aesthetics.

AJINOMOTO

AJIDEW® NL-50 is a natural humectant derived from L-Glutamic acid. Known to be abundant in human skin as a component of NMF (Natural Moisturizing Factor), this humectant helps keep skin and hair fresh-looking.

CABOT

CAB-O-SIL® TS-720 treated fumed silica interacts with the lipophilic part of the powder and provides anti-caking properties during application. It provides brilliancy to the colors. It helps reduce run-off of the colors by resisting to moisture.