

Principal/Trade Name, INCI	Weight %	Product Properties:
<b>Phase A</b>		
<b>Purified Water</b>	66.28%	Appearance: Thick pink emulsion with exfoliating beads pH: 5.0-6.0
<b>Versene NA2 Crystals</b> <i>Disodium EDTA</i>	0.05%	
<b>Phase B</b>		
 <b>Palmera® G997U</b> <i>Glycerin</i>	5.00%	Viscosity: 20,000-40,000 ( Brookfield, RVT, spindle 6@10 rpm) Stability: passed 50C ( 1 week), FT (5 cycles)
 <b>KELCOGEL® CG-LA Gellan Gum</b> <i>Gellan Gum</i>	0.20%	
 <b>KELTROL® CG LAX-T Xanthan Gum</b> <i>Xanthan Gum</i>	0.30%	
<b>Phase C</b>		
 <b>POLYCOS® RS-STE</b> <i>Oryza Sativa (Rice Starch)</i>	1.00%	<b>Procedure:</b> <u>Phase A:</u> Load the main tank with cold water, add Versene Na2 Crystals and mix to dissolve. <u>Phase B:</u> In a secondary vessel premix Glycerin, KELCOGEL® CG-LA Gellan Gum and KELTROL® CG LAX-T Xanthan Gum until the slurry is uniform and easy flowing. Add it into the vortex of phase A , mixing at high speed. Mix phase A and B for 30 min or until the batch is uniform and free of lumps. <u>Phase C :</u> Add POLYCOS® RS-STE to the main batch and mix well until homogeneous, free of lumps. Heat the batch to 80-85C, lowering the mixing speed to avoid aeration. When the batch reaches 50-55C, add AMISOFT® HS-IIP and continue mixing while heating . At 80-85C, add slowly CaCl2*H2O solution and mix well. <u>Phase D:</u> In a secondary vessel add all ingredients of phase D and heat to 80-85degC while mixing. Add phase D to the main batch and mix for one minute. Homogenize for 30 seconds at 6000 rpm. Start cooling to RT. <u>Phase E:</u> At 50-55C, add AJIDEW® NL-50 and mix well. At 40-45 C, add slowly VITACEL® CS400G and mix well to incorporate. Add the rest of the ingredients in the indicated order , mixing well after each addition.
 <b>AMISOFT® HS-IIP</b> <i>Sodium Stearoyl Glutamate</i>	2.00%	
<b>CaCl2*2H2O (5% solution)</b> <i>Calcium Chloride</i>	2.00%	
<b>Phase D</b>		
 <b>Coconut Oil</b> <i>Cocos Nucifera (Coconut) Oil</i>	3.00%	
 <b>ELDEW® PS-306</b> <i>Phytosteryl/Behenyl/Octyldodecyl Lauroyl Glutamate</i>	1.00%	
 <b>VGB 760 MB (RSPO Palm Oil)</b> <i>Elaeis Guineensis (Palm) Oil</i>	8.00%	
 <b>ETIOLIPTINE®</b> <i>Sinapylacetate Hydroxyphenethylamide</i>	0.10%	
 <b>Soy Lecithin</b> <i>Lecithin</i>	0.35%	
<b>Magnol I600</b> <i>Cetyl Alcohol</i>	2.00%	
<b>Phase E</b>		
 <b>AJIDEW® NL 50</b> <i>Sodium PCA,Water</i>	0.50%	
 <b>VITACEL® CS400G</b> <i>Cellulose</i>	5.00%	
 <b>FD&amp;C Blue #1 ( 0.1% sol)</b> <i>Blue 1</i>	0.07%	
 <b>D&amp;C Red #33 (0.1% sol)</b> <i>Red 33</i>	2.00%	
 <b>Raspberry Flavor 050006 33T</b> <i>Raspberry Flavor</i>	0.15%	
<b>Euxyl PE 9010</b> <i>Phenoxyethanol, Ethylhexylglycerin</i>	1.00%	

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**KELCOGEL® CG-LA Gellan Gum** is a unique gelling agent for use in personal care applications. It can be used to form gels, modify textures, stabilize formulations (including emulsions and suspensions) and create films. This product is specifically designed for shampoo and haircare products, skin lotions and creams, as well as sunscreen and sun care products. It also is used as an emulsion stabilizer, suspension stabilizer, non-dissolving cosmetic films, and toothpaste.



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**KELTROL® CG LAX-T Xanthan Gum** is an 80-mesh clarified xanthan gum that has improved stability in low pH and high salt systems. It is recommended in formulations where rapid hydration and high clarity is required. It imparts high solution viscosity at low gum concentrations, has pseudoplastic rheology profile, and exhibits little solution viscosity change over a wide temperature range. Significantly improved low shear rate viscosity provides enhanced stabilization of suspensions and emulsions.

## polygal ag

**POLYCOS® RS-STE** is a Starch Specialties derive rice. It is characterized by relatively small primary starch particles and therefore cater to products with particular sensory requirements, which result in an unmatched velvety and gracious touch. Moreover, it provides a high absorption of oil and fats, improves the moisture balance and reduces the dry-out of the skin if compared to talcum powder. It minimizes the appearance of fine lines, blemishes and wrinkles.

## AJINOMOTO

**AMISOFT® 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 extremely hypoallergenic and well suited as an emulsifier. The pH is similar to the one of the skin.

## IK INABATA

**ETIOLIFTINE®** is a skin longevity active. This preventive and curative anti-aging compound is capable of significantly reducing progerin production and acting on all the signs of restoring dermal matrix through collagen and elastin synthesis. It is also a very powerful antioxidant, 5 times more efficient than Vitamin E. This active can be included in all face care formulas such as anti-wrinkle cream, lifting firming serums, and mature skin care.

## AJINOMOTO

**ELDEW® PS-306** is an emollient derived from glutamic acid, natural fatty acid, higher alcohol and phytosterol. 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.



**VGB 760 MB (RSPO Palm Oil)** contains only RSPO Certified Sustainable Palm Oil. It delivers desirable textures and builds viscosity in skin care products and color cosmetics. Provides a hydrating function and delivers protecting and regenerating properties.



**Soy Lecithin** acts as an emulsifier as well as helps to hydrate, replenish and repair the skin due to its essential fatty acid content. It is naturally derived from soybeans, and offers skin protection qualities and acts as a natural moisturizer. It is a source of choline and inositol, which are important components of all cell membranes, and play an important role in cell growth and function.

## 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.



**VITACEL® CS 400 G** is composed of hard, white granules which are very easy to mix with low speed mixing or stirring in water and oil. It is biologically inert, insoluble in water and oil, moisture and heat resistant, independent of temperature, gentle shearing rate, pressure or pH changes. It functions as a mild peeling agent for soft skin cleansing.