

Principal/Trade Name, INCI Weight %

Phase A

	Purified Water	92.70%
	Palmera® G997U Glycerin	2.00%
	KELCOGEL® CG-LA Gellan Gum Gellan Gum	0.06%
	KELTROL® CG-SFT Xanthan Gum Xanthan Gum	0.20%

Phase B

	Citric Acid powder Citric Acid	0.05%
	L-Arginine Arginine	0.15%
	Citric Acid powder Citric Acid	0.04%
	AJIDEW® NL-50 Sodium PCA, Water	1.00%
	PRODEW® 500 Sodium PCA, Sodium Lactate, Arginine, Aspartic Acid, PCA, Glycine, Alanine, Serine, Valine, Proline, Threonine, Isoleucine, Phenylalanine, Water	2.00%
	L-Arginine Arginine	0.10%
	Actiphyte® of Witch Hazel Hamamelis Virginiana (Witch Hazel) Extract, Glycerin	0.50%
	Phenoxyethanol Phenoxyethanol	0.80%
	Sodium Benzoate Sodium Benzoate	0.20%
	Potassium Sorbate Potassium Sorbate	0.20%

Product Properties:

Appearance:	clear, smooth liquid
pH:	5.00-5.70
Viscosity:	2500-4000 cps (RVT 5@20)
Stability:	passed 50C (1 week), FT (5 cycles)

Procedure:

Phase A-Load the main tank with cold water and start mixing at high speed .

In a secondary vessel add Glycerin and KELCOGEL® CG-LA Gellan Gum and mix until the premix is uniform, then add KELTROL® CG-SFT Xanthan Gum and mix well for a homogeneous system. Add the premix into the main batch and mix well until the batch will become uniform. Reduce the mixing speed to avoid aeration.

Phase B- Add each ingredient in the indicated order and mix well after each addition. The batch should be uniform, clear and free of lumps.

The information contained herein is being furnished for informational purposes only, upon the express condition that the User is solely responsible for determining the suitability of the products in all contemplated uses and applications notwithstanding any technical information provided by L.V. Lomas Limited ("Lomas"). While the information contained herein is believed to be reliable, no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for a particular application or the results to be obtained herefrom. Lomas shall have no liability to the User or to any third party based upon or arising out of the results obtained or situations caused by the use or handling of any material, whether used singly or in combination with other materials. LOMAS MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. It is the User's sole responsibility to determine if there are any issues relating to patent infringement of any component or combination of components relating to the suppliers information. Nothing contained herein is to be considered as permission, recommendation, nor an inducement to practice any patented invention without the permission of the patent owner.



A HUBER COMPANY

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.



A HUBER COMPANY

KELTROL® CG-SFT Xanthan Gum is a xanthan gum product with smooth-flow rheology that gives transparent solutions. It is a low-dusting, free-flowing powder for transparent solutions that is stable over wide pH range. It is designed specifically for use in cosmetics and other personal care products such as shower gels, liquid soaps, sunscreens, lotions and creams, eye make-up, hair care products, as well as shaving creams and foams.

AJINOMOTO

L-Arginine is a typical basic amino acid with a cellular activatory effect. L-arginine is also widely used as a mild, natural neutralizer. L-glutamic acid, on the other hand, is a typical acidic amino acid, widely used as a mild neutralizer or a pH adjuster.

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.

AJINOMOTO

PRODEW® 500 is a highly effective moisturizer formulated with NMF (Natural Moisturizing Factor) components. It has excellent moisture absorption and retention capabilities. When sodium PCA and L-proline, the components of ProdeW®, are mixed, they show a synergistic moisturizing effect.



Actiphyte® of Witch Hazel is used for its anti-irritant, astringent, skin clearing, softening, and soothing properties. It can be formulated into creams, lotions, and facemasks.