

BioReNuva

More Than Just Foam

Formulary Catalog Spring 2023

BioSurfactant Highlight:

Sophorolipids (ReNuva™ SL-A70 & L-70)

Rhamnolipids (ReNuva™ RL-50)

ReNuva™ Ready (NEW) - Biotechnology
Fueled Performance, 100% Degradable

- Acne Treatment
- Foam Cleanser
- Toner
- Shampoo
- Hand Soap
- Make-Up Remover



Soft Hydrating Acne Treatment

Formula Number: T197-008



Phase	Ingredients		Trade Name	%	Function
A	DI Water			75.78	Volatile Carrier
	Phenoxyethanol			0.75	Preservative
	Rumex Occidentalis			1.02	Anti-Acne Active
	Carbomer			1.10	Thickener
	Potassium Hyrdoxide			0.36	pH Adjuster
B	Glycolipids		ReNuva™ SL-L70	5.63	Multifunctional Surfactant
	Olea Europaea			14.88	Emollient
	Tocopherol			0.50	Antioxidant
				100	

Phase A: Mix together water and Western Dock Extract. Heat to 115F -125F. Add carbomer while mixing - blend until carbomer is fully dissolved. Continue mixing and add Potassium Hydroxide - be sure to use proper PPE

Phase B: Mix together Phase B ingredients and heat to 115F - 130F. Remove from heat and stir until coca butter is fully melted

Mix phase B into phase A to create emulsion. Adjust pH to 6.0 - 6.25 with citric acid or Potassium Hydroxide.

Additional Notes: Nice luxurious lotion. Medium viscosity - feels very hydrating on application. Medium dry down leaves skin feeling soft

Light and Airy Foam Cleanser

Formula Number: T197-011



Phase	Ingredients	Trade Name	%	Function
A	DI Water		27.00	Volatile Carrier
	Sodium Benzoate		0.50	Chelating Agent
	Vegetable Glycerin		45.00	Conditioning Agent
B	Glycolipids	ReNuva™ SL-A70	3.00	Multifunctional Surfactant
	Glycolipids	ReNuva™ RL-50	1.00	Multifunctional Surfactant
	Sodium Cocyl Isothionate Powder		20.00	Foaming Agent
C	Limnanthes Alba (Meadowfoam) Seed Oil		1.00	Emollient
	Simmondsia Chinensis (Jojoba) Seed Oil		1.00	Emollient
	Glyceryl Caprylate		0.50	Co-Emulsifier
	Cetearyl Alcohol		1.00	Softening Agent
			100	

Phase A: Mix together ingredients then heat Phase A ingredients to 150F - 160F

Phase B : Mix ingredients one at a time starting with SL-A70

In a separate container, heat phase C ingredients to 135F -140F

Slowly add phase C to mixture while mixing

Once cooled to room temp, let rest for 24 -48 hours to achieve final viscosity and mix again

Skim Calming Toner

Formula Number: T197-009



Phase	Ingredients	Trade Name	%	Function
A	DI Water		93.43	Volatile Carrier
	Laminaria Algae Extract		0.10	Active Ingredient
	Glycerin		0.50	Conditioning Agent
B	Citrus Sinensis Peel Oil		0.10	Emollient
	Lavandula Angustifolia		0.10	Emollient
	Salix Alba		0.10	Emollient
	Ocimum Basilicum Oil		0.08	Emollient
	Polysorbate 20		3.00	Binding Agent
	Ethylhexylglycerin		0.50	Humectant
	Glycolipids	ReNuva™ SL-A70	1.00	Multifunctional Surfactant
	Glycolipids	ReNuva™ SL-L70	1.00	Multifunctional Surfactant
C	Sodium Hyaluronate		0.10	Active
			100	

Phase A: Heat ingredients to 110F - 120F

Phase B: Mix ingredients together, then add to Phase A while mixing to create toner

High Shear Phase C into toner

Adjust pH to 4.5 - 5.5

Gently Cleanse Shampoo

Formula Number: T197-013



Phase	Ingredients	Trade Name	%	Function
A	DI Water		74.50	Volatile Carrier
	Guar Gum		0.75	Thickener
	Xanthan Gum		0.75	Thickener
	Equisetum Arvense Extract (and) Urtica Dioica (Nettle)		3.00	Antioxidant Active
	Leaf Extract (and) Althaea Officinalis Root Extract			
	Phenoxyethanol		1.00	Multifunctional
B	Glycolipids (and) Cocamidopropyl Hydroxysultaine	ReNuva™ Ready	20.00	Surfactant
	(and) Sodium Methyl Cocoyl Taurate			Preservative
			100	

Phase A: Heat water to 125F - 130F. Mix Glycerin extract and gums to create a slurry. High shear glycerin/gum slurry into water to create gel.

Add Phenoxyethanol and High shear mix

Phase B: Remove from mixer and slowly stir in BioRenuva Ready Blend - DO NOT high shear

Adjust pH to 4.75 - 5.75 using L-Arginine (alkaline) or Sodium Citrate (acidic)

Naturally Enriching Hand Soap

Formula Number: KL9-42(3)



Phase	Ingredients	Trade Name	%	Function
A	DI Water		82.40	Volatile Carrier
	Disodium EDTA		0.10	Chelator
	Guar Hydroxypropyl Methylcellulose		1.00	Thickener
	Citric Acid		0.20	pH Adjuster
B	Glycolipids (and) Cocamidopropyl Hydroxysultaine (and) Sodium Methyl Cocoyl Taurate	ReNuva™ Ready	15.00	Multifunctional Surfactant
	PCA Glyceryl Oleate		0.30	Emollient
	Phenoxyethanol, Caprylyl Glycol, Hexylene Glycol		1.00	Preservative
			100	

Phase A: In main vessel add Deionized Water. Dissolve Disodium EDTA. With rapid mixing sprinkle in Methocel 40-202 or Jaguar Excel, as applicable. Batch will thicken. Mix until fully dispersed.

Phase B: With moderate mixing add ReNuva Ready Blend. Add Softisan ConditionHAIR, and Diocide.
Mix until uniform.

Purifying Cleanse Make-Up Remover

Formula Number: KL8-39



Phase	Ingredients	Trade Name	%	Function
A	DI Water		48.20	Volatile Carrier
	Acrylates/C10-30 Alkyl Acrylate Crosspolymer		0.50	Thickening Agent
	Phenoxyethanol, Caprylyl Glycol, Hexylene Glycol		1.00	Preservative
B	Glycolipids	ReNuva™ SL-L70	10.00	Multifunctional Surfactant
	Potassium Hydroxide		0.30	pH Adjuster
C	Capric/Caprylic Triglyceride		8.00	Emulsifer
	Isononyl Isononanoate		8.00	Emollient
	Isohexadecene		16.00	Skin Conditioning
	C32-54 Isoalkane		8.00	Skin Conditioning
			100	

Phase A: In main vessel add deionized water. Add glycerin. With rapid mixing sprinkle Acrylates. Mix until fully dispersed.

Phase B: Reduce mixing, add ReNuva SL-L70. Add Potassium Hydroxide and Diocide. Mix until uniform.

Phase C: In separate vessel premix Luxtra Light, Caprylic/Capric Triglyceride, Isononyl Isononanoate, add to batch. Homogenize well.

BioReNuva

BioReNuva was founded with the mission to deliver better performing ingredients utilizing biotechnology.

We're performance first and our dedication to application and product data proves that. Additionally, our product are milder to the skin, improve formulation flexibility and sustainability.

Reach out to us about how to introduce Biotechnology to your formula.

Contact Us: info@biorenuva.com



BioReNuva Team



Channel Partner



BioReNuva Manufacturing