

# **Product Formulation**

# **Coconut Butter All-in-one Wash**

PHC-PF-23-079

Feel your skin rich, nourished and moisturized after washing, and never worry about animal-derived ingredients in your product. This product is made from coconut derived and sustainable ingredients.

Phase	Ingredient	INCI	Function	%
A1	Water	Aqua	Diluent	44.80
A2	EDTA	Tetrasodium EDTA	Chelating Agent	0.20
A3	Glysoft RG	Glycerin	Humectant	2.00
A4	Xanthan Gum	Xanthan Gum	Thickener	0.20
A5	Sufrasoft HS100	Cocamidopropyl Hydroxysultaine	Co-Surfactant	20.00
A6	Sufravon 890	Potassium Cocoate	Surfactant	20.00
A7	Suframide HF850	Cocamide MEA	Foam Booster	5.00
A8	Glysoft SF	Cocoglycerides	Superfatting Agent	1.00
B2	Glyzer CB100	<i>Cocos nucifera</i> (Coconut) Seed Butter	Emollient	2.00
В3	Sorbitan Olivate	Sorbitan Olivate	Emulsifier	1.50
В5	Pearlux EGMS	Ethylene Glycol Monostearate	Opacifier	1.50
C1	NatPro 9000	Glyceryl Caprylate (and) Glyceryl Caprate (and) Glyceryl Laurate (and) Caprylhydroxamic Acid	Preservative	1.00
C2	Fragrance		Fragrance	0.80
	TOTAL			100.00

### **Formulation Benefits**

- ✓ Natural formulation made from Coconut
- ✓ Contains natural moisturizers
- ✓ Vegan formulation

### **Key Ingredients**

#### Sufravon 890

✓ 100% plant derived surfactant made from potassium cocoate/olivate.

- ✓ With built in moisturizer
- ✓ ISO 16128: 100%

#### NatPro 9000

- ✓ Broad-Spectrum
- ✓ Efficacy at pH 4.0 7.0
- ✓ Dosage at 0.70 2.00%
- ✓ ISO 16128: 98%

#### Sufrasoft HS100

- ✓ High foaming amphoteric surfactant
- ✓ Stable over wide pH range
- ✓ ISO 16128: 75%

#### Glysoft SF

- ✓ Foam Booster and Stabilizer
- ✓ Thickener
- ✓ ISO 16128: 100%

#### Glyzer CB100

 ✓ Provides intensive moisturization and radiance on skin
✓ Melts upon contact with skin

✓ ISO-16128: 100%



Raw material verified by ECOCERT GREENLIFE, conform to the COSMOS Standard

All data, formulations and information provided herein have not been comprehensively tested and are not represented as suitable for any particular uses. Statement concerning possible or suggested uses made herein may not be relied upon or be construed as a guaranty of no patent infringement. Users have the sole responsibility and obligation for making preliminary tests to determine the suitability of the sample formulations described herein for any application, to make tests before use in any specific applications, and to confirm the performance, efficacy, safety and regulatory compliance of such products for their particular use.

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# **Product Formulation**

#### Procedure

1	In a clean beaker, load water and EDTA. Start mixing.		
2	In a separate container, mix glycerin and xanthan gum until become a slurry. Add into the water and EDTA mixture. Mix until homogenous.		
3	Add Sufrasoft HS100, Sufravon 890, Suframide HF850 and Glysoft SF. Continuous mixing after each addition. Heat to 70 - 75°C.		
4	Once reached the target temperature, add <b>Glyzer CB100</b> , Sorbitan Olivate and <b>Pearlux EGMS.</b> Mix until fully melted and homogenous. Cool down to 40 - 45°C.		
5	Add NatPro 9000 and Fragrance. Mix until homogenous.		
6	Fill in the desired container.		

#### Specification

Appearance	Flowy emulsion
рН	5.5
Viscosity, mPas	2,000 – 3,000

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