

# Sustainable Products

Formulation Sheet



# PRODUCT FORMULATION

## Ointment

PHC-PF-22-091

This ointment provides protection from common bacterial infection and provides a moisturizing layer. It keeps skin moist with natural emollients from coconut.

Phase	Ingredient	INCI	Function	%
A1	Glyzer CB100	<i>Cocos nucifera</i> (Coconut) Seed Butter	Emollient	15.00
A2	Cocolatum 503	Cocoglycerides (and) <i>Oryza sativa</i> (Rice) Bran Wax (and) <i>Euphorbia cerifera</i> (Candelilla) Wax	Emollient Base	81.50
B1	Tea Tree Essential Oil	<i>Melaleuca alternifolia</i> (Tea Tree) Oil	Antibacterial Active	2.00
B2	Lavender Essential Oil	<i>Lavandula angustifolia</i> (Lavender) Oil	Fragrance	1.00
B3	Vitamin E Acetate	Tocopheryl Acetate	Antioxidant	0.50
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Natural coconut moisturizers
- ✓ Natural antibacterial
- ✓ Essential oils as fragrance
- ✓ Vegan formulation
- ✓ Cocolatum-based

### Key Ingredients

#### Glyzer CB100

- ✓ Intensive moisturization
- ✓ Smoothens and softens skin
- ✓ Naturally sourced and biodegradable
- ✓ ISO 16128: 100%



#### Cocolatum 503

- ✓ Outstanding spreadability
- ✓ Silky skin feel
- ✓ Good for skin rashes
- ✓ Vegan & cruelty-free
- ✓ ISO 16128: 100%



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

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### Procedure

- 1 Dispense Phase A into the vessel and gradually stir with heating – heat only until all of **Glyzer CB100** has melted and has homogeneously mixed with **Cocolatum 503**.
- 2 Remove from heating. Observe a homogeneous, oil-gel texture.
- 3 At temperature below 40°C add Phase B one at a time with continuous, slow mixing.
- 4 Stop mixing once homogeneous.
- 5 Pour into packaging.

### Specification

Appearance	Semi-solid balm
Color	Pale yellow to yellow

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# PRODUCT FORMULATION

## Egg Lip Balm

PHC-PF-23-254

This egg lip balm is made from a coconut-derived skin protectant and coconut-derived emollient that provide a moisturizing barrier on your lips. It comes in a fun egg shape.

Phase	Ingredient	INCI	Function	%
A1	Cocolatum 501	Cocoglycerides (and) <i>Cera Alba</i> (Bees) Wax (and) <i>Euphorbia cerifera</i> (Candelilla) Wax	Skin protectant	89.45
A2	Candelilla Wax	<i>Euphorbia cerifera</i> (Candelilla) Wax	Thickener	6.00
A3	Cetyl Alcohol	Cetyl alcohol	Opacifier	2.00
A4	Glyzer CT200	Caprylic/Capric/Lauric Triglycerides	Emollient	1.00
B2	Flavor		Flavor	1.00
B3	Vitamin E Acetate	$\alpha$ -Tocopheryl Acetate	Antioxidant	0.50
B4	Titanium Dioxide	CI 77891	Colorant	0.05
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Smooth lip feel
- ✓ Glides easily
- ✓ Leaves a healthy sheen on lips
- ✓ Coconut-derived skin protectant
- ✓ Moisturizes lips

### Key Ingredients

#### Cocolatum 501

- ✓ Petroleum-free
- ✓ Silky skin-feel
- ✓ ISO-16128: 100%

#### Glyzer CT200

- ✓ Outstanding spreadability
- ✓ Natural emollient
- ✓ Moisturizing
- ✓ ISO-16128: 100%



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

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### Procedure

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- 1 Load **Cocolatum 501**, Candelilla wax, Cetyl Alcohol and **Glyzer CT200** into a single vessel and heat.
  - 2 Continuously stir during melting until temperature reaches 65°C to 70°C and until appearance becomes homogeneous.
  - 3 Cool down to 55°C.
  - 4 Add in the flavors and colorants and continuously stir until homogeneous and no lumps of pigment remain.
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### Specification

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Appearance	Semi solid balm
Color	Cream to White
Penetration, µm	40 - 60

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# PRODUCT FORMULATION

## Body Butter

PHC-PF-24-001

Our body butter formulation gives your skin intense moisture and a healthy sheen. It uses natural coconut-derived emollients, with unique coconut butter (Glyzer CB100) and Caprylic/Capric/Lauric Triglyceride (Glyzer CT200) as our moisturizers.

Phase	Ingredient	INCI	Function	%
A1	Water	Aqua	Diluent	70.63
A2	Trilon M Capsules	Methylglycinediacetic Acid	Chelating Agent	0.10
A3	Carbopol Ultrez 30	Carbomer	Thickener	0.30
<b>B1</b>	<b>Glysoft RG</b>	<b>Glycerin</b>	<b>Humectant</b>	<b>2.00</b>
B2	Xanthan Gum	Xanthan Gum	Thickener	0.25
C1	Cetearyl Alcohol	Cetearyl Alcohol	Emollient	2.00
<b>C2</b>	<b>Emulsier GMS 100</b>	<b>Glyceryl Stearate</b>	<b>Emulsifier</b>	<b>2.25</b>
C3	PEG-100 Stearate	PEG-100 Stearate	Emulsifier	1.85
<b>C4</b>	<b>Glyzer CB100</b>	<b>Cocos nucifera Seed Butter</b>	<b>Emollient</b>	<b>8.00</b>
<b>C5</b>	<b>Glyzer CT200</b>	<b>Caprylic/Capric/Lauric Triglyceride</b>	<b>Emollient</b>	<b>10.00</b>
D1	Vitamin E	Tocopheryl Acetate	Anti-oxidant	0.10
D2	Fragrance	Fragrance	Fragrance	0.40
<b>D3</b>	<b>NatPro 8000</b>	<b>Glyceryl Caprylate (and) Glyceryl Caprate (and) Glyceryl Laurate</b>	<b>Preservative</b>	<b>1.00</b>
D4	Saccharide Isomerate	Saccharide Isomerate	Skincare Active	0.50
D5	Snail Secretion Filtrate	Snail Secretion Filtrate	Skincare Active	0.50
D6	Triethanolamine	Triethanolamine	pH Modifier	0.12
TOTAL				100.00

### Formulation Benefits

- ✓ Moisturizes and smoothens the skin
- ✓ Natural formulation
- ✓ Healthy sheen and silky after feel

### Key Ingredients

#### Glyzer CB100

- ✓ Provides intensive moisturization and radiance on skin
- ✓ Smoothens and softens skin
- ✓ Melts upon contact with skin
- ✓ Derived from natural source
- ✓ ISO-16128: 100.0% Natural



#### Glyzer CT200

- ✓ Outstanding spreadability, non-greasy
- ✓ Moisturizing and soothes dryness
- ✓ Substantive skin moisturization
- ✓ Derived from natural source
- ✓ ISO-16128: 100.0% Natural



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### Procedure

1	Load Phase A in the main vessel with continuous stirring. Begin heating to 70°C.
2	In a small separate container, mix Phase B to create a thickener slurry.
3	Add Phase B to Phase A. Continue stirring with heating until homogeneity is achieved.
4	Load Phase C into another vessel and melt together until 70°C with gentle stirring.
5	Add Phase C to Phase AB with continuous mixing to emulsify.
6	Turn off the heating and allow the emulsion to cool with continuous mixing using a paddle. Viscosity shall rise.
7	At 40°C and below, add Phase D one at a time with continuous mixing.
8	Fill into desired containers. Allow to set overnight.

### Specification

Appearance	Thick Emulsion Cream
pH (as is)	5.5 to 6.0
Viscosity (in cPs)	80,000 (4rpm;S#64)

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# PRODUCT FORMULATION

## Micellar Cleansing Oil

PHC-PF-24-058

Experience our Micellar Cleansing Oil with a gentle yet effective formula, which combines micellar technology with nourishing oils to effortlessly dissolve makeup, dirt, and oil, leaving your skin clean, refreshed, and glowing.

Phase	Ingredient	INCI	Function	%
A1	Micromulse LB	Polyglyceryl-10 Laurate	Emulsifier	10.00
A2	Glysoft RG	Glycerin	Humectant	40.00
A3	Water	Aqua	Diluent	9.49
B1	Glyzer CT100	Caprylic/Capric Triglyceride	Emollient	38.00
B2	Glyzer CB100	<i>Cocos nucifera</i> (Coconut) Seed Butter	Emollient	2.75
B3	Fragrance		Fragrance	0.25
C1	Citric Acid	Citric Acid	pH Modifier	0.51
TOTAL				100.00

### Formulation Benefits

- ✓ Derived from nourishing oils
- ✓ Mild and gentle formulation
- ✓ pH balanced

### Key Ingredients

#### Glysoft RG

- ✓ Derived from refined coconut oil
- ✓ Light color and low odor
- ✓ Outstanding emollient
- ✓ Preservative-free
- ✓ ISO 16128-1: 100%

#### Glyzer CT100

- ✓ Moisturizing property
- ✓ Easy to apply on skin
- ✓ Derived from natural sources
- ✓ ISO-16128: 100%

#### Glyzer CB100

- ✓ 100% coconut-derived
- ✓ Provides substantive and intensive moisturization
- ✓ Preservative-free
- ✓ ISO 16128: 60%

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**Procedure**

- 1 Load Phase A in a beaker and Phase B in a separate beaker.
- 2 Heat Phase B to melt solids.
- 3 Transfer Phase B into Phase A slowly in portions while mixing.
- 4 Homogenize the solution for a minute. Bubbles will take several days to clear.
- 5 Adjust the pH by adding Citric Acid while mixing until homogenous.

**Specification**

Appearance	Transparent liquid
Odor	Characteristic odor
pH (as is)	5.37
Viscosity, cPs	890

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# PRODUCT FORMULATION

## Glycolic Acid Daily Gentle Cleanser

PHC-PF-24-061

Promote healthy skin by removing dead skin and leaves your face smoother and lighter. Made with plant-based mild surfactants, enhanced further with aloe vera extract.

Phase	Ingredient	INCI	Function	%
A1	Water	Aqua	Diluent	48.35
A2	Tetrasodium EDTA	Tetrasodium EDTA	Chelating Agent	0.05
A3	Glycolic Acid	Salicylic Acid	Exfoliant	2.00
A4	Glysoft RG	Glycerin	Humectant	2.00
A5	Sufrosoft HS100	Cocamidopropyl Hydroxysultaine	Surfactant	12.00
A6	Sufrosoft AO100	Cocamidopropylamine Oxide	Surfactant	25.00
A7	Lauryl Glucoside	Lauryl Glucoside	Surfactant	5.00
A8	Glysoft SF	Cocoglycerides	Superfating Agent	1.00
A9	Suframide HF850	Cocamide MEA	Foam Booster	2.00
A10	Aloe Vera Extract	<i>Aloe Barbadensis</i> (Aloe Vera) Extract	Anti-inflammatory	0.10
A11	Phenoxyethanol (and) Ethylhexylglycerin	Phenoxyethanol (and) Ethylhexylglycerin	Preservative	0.50
A12	PEG-120 Methyl Glucose Trioleate (and) Propanediol	PEG-120 Methyl Glucose Trioleate (and) Propanediol	Thickener	1.00
A13	Suframide 307	Cocamide N-Methyl MEA	Foam Booster	1.00
A14	Fragrance		Fragrance	q.s.
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Effective cleanser
- ✓ Moisturizing on skin
- ✓ Natural formulation

### Key Ingredients

#### Glysoft RG

- ✓ Derived from refined coconut oil
- ✓ Light color and low odor
- ✓ Outstanding emollient
- ✓ Preservative-free
- ✓ ISO 16128-1: 100%

#### Sufrosoft HS100

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

#### Sufrosoft AO100

- ✓ Sulfate-free amphoteric surfactant
- ✓ Stable at wide pH range
- ✓ Bio-based, biodegradable and non-hazardous
- ✓ ISO 16128: 89%

#### Glysoft SF

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

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**Procedure**

1	In a clean container, load water and EDTA. Mix until homogenous.
2	Add the glycolic acid. Mix until fully dissolved.
3	Load the remaining ingredients one by one until homogenous.

**Sufamide HF850**

- ✓ Excellent in foam and viscosity building
- ✓ Derived from natural sources
- ✓ Cold-processable
- ✓ ISO 16128: 77%

**Sufamide 307**

- ✓ Excellent foam boosting ability
- ✓ Excellent thickening effect for alkyl ether sulphate
- ✓ Easy to handle
- ✓ ISO 16128-1: 74%

**Specification**

Appearance	Clear, slightly viscous liquid
Color	Clear to pale yellow
pH (as is)	4.21
Viscosity	490 mPas

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