



# Product Formulation

## Conditioner Bar

PHC-PF-23-140

A silicone-free hair conditioner that exhibits good conditioning for easier combing and healthy looking hair. It is a water-free, handy and nature-friendly formulation.

Phase	Ingredient	INCI	Function	%
A1	Glyzer CB100	<i>Cocos nucifera</i> (Coconut) Seed Butter	Emollient	q.s. to 100
A2	Cetyl Alcohol	Cetyl Alcohol	Thickener	40.00
A2	Behentrimonium Chloride	Behentrimonium Chloride	Antistatic agent	5.00
A3	Glyzer CT100	Caprylic/Capric Triglyceride	Emollient	5.00
A4	Glyzer CT600	Tricaprylin	Emollient	5.00
A5	Pigment		Pigment	q.s.
B1	Sunflower Oil	<i>Helianthus annuus</i> (Sunflower) Seed Oil	Active Ingredient	1.00
B2	Fragrance		Fragrance	1.20
B3	Vitamin E Acetate	Tocopheryl Acetate	Antioxidant	0.50
<b>TOTAL</b>				<b>100.00</b>

### Formulation Benefits

- ✓ Silicone-free formula
- ✓ Natural conditioning
- ✓ Easy to rinse

### Key Ingredients

#### Glyzer CB100

- ✓ Provides intensive moisturization and radiance on skin
- ✓ Contains lauric acid that can help reduce acne
- ✓ ISO 16128: 100%



#### Glyzer CT100

- ✓ Outstanding spreadability
- ✓ Derived from natural source and biodegradable
- ✓ Mild, suitable for sensitive and oily skin
- ✓ ISO 16128: 100%



#### Glyzer CT600

- ✓ Light emollient with good spreadability
- ✓ Derived from natural source and biodegradable
- ✓ Mild, suitable for sensitive and oily skin
- ✓ ISO 16128: 100%



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

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- 1 In a clean container, load **Glyzer CB100**, Cetyl Alcohol, Behentrimonium Chloride, **Glyzer CT100** and **Glyzer CT600**. Heat to 80°C-85°C. Mix until fully melted. Mix to cool down to 50°C - 55°C temperature.
  - 2 Add pigment, making sure it is well dispersed.
  - 3 Add Sunflower Oil. Mix until homogenous while maintaining the 50°C - 55°C temperature.
  - 4 Add fragrance. Mix until homogenous.
  - 5 Add Vitamin E. Mix until homogenous. Transfer to the desired packaging.
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## Specification

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Appearance	Solid
Penetration	10 - 30

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