



## No holds barred - conditioner bar

Conditioner bar is infused with natural butters and oils to soften the hair for deep, fresh-scented conditioning. The concentrated bar is more eco-friendly than liquid conditioners: reduced weight and reduced packaging.



### DOWSIL™ 2503 Cosmetic Wax

Melts on contact with skin and provides moisturizing benefits. mp = 28-35°C.

### POLYOX™ WSR N-3000

Water soluble resin, designed to reduce drag, and impart a smooth after-feel.

### SoftCAT™ Polymer SX-400X

Delivers superior conditioning to hair care formulations and enables formulators to optimize active delivery on hair.



### Lexemul® 561

Nonionic modified self-emulsifying glyceryl monostearate (HLB-10.0).

### SustOleo™ BA

Palm free, natural structuring agent and secondary emulsifier that provides exceptional stability.



### Fentacare® 1631 70

Care for fine hair, prevents flyaway, and easy rinse conditioners. Repair and maintenance for damaged fine care.

### Fentacare® BTMS 25EF

Quaternized, sulfated, superior and durable conditioning. Yields premium quality cream rinses with superior wet and dry combing benefits. BTMS 25EF is EDTA-free and blended with fatty alcohol.

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Supplier Ingredient	WT%	Trade Name	Supplier
<b>PHASE A</b>			
Behentrimonium Methosulfate (and) Cetearyl Alcohol	69.50	Fentacare® BTMS 25EF	Solvay
Brassica Alcohol	8.00	SustOleo™ BA	Inolex
Theobroma cacao (Cocoa) Seed Butter	6.00	Cocoa Butter	Arista
Glyceryl Stearate (and) PEG-100 Stearate	2.00	Lexemul® 561	Inolex
Butyrospermum parkii (Shea) Butter	0.30	Shea Butter	Arista
Glyceryl Dilaurate	2.00	Lexemul® GDL	Inolex
Stearyl Dimethicone (and) Octadecene	2.00	DOWSIL™ 2503 Cosmetic Wax	Dow
<b>PHASE B</b>			
Cocos nucifera (Coconut) Oil	0.35	Coconut Oil	Arista
Argania spinosa (Argan) Kernel Oil	0.25	Argan Oil	Arista
Orbignya oleifera (Babassu) Seed Oil	0.25	Babassu Oil	Arista
Aleurites moluccanus (Kukui) Seed Oil	0.25	Kukui Nut Oil	Arista
<b>PHASE C</b>			
Glycerin	1.00	99.7% Glycerine USP	Univar Solutions
Polyquaternium-67	0.20	SoftCAT™ Polymer SX-400X	Dow
PEG-14M	0.10	Polyox™ WSR N3000	Dow
<b>PHASE D</b>			
Cetrimonium Chloride (and) Alcohol	0.50	Fentacare 1631 70	Solvay
Water	5.0	Deionized Water	
Caprylhydroxamic Acid (and) 1,2-Hexanediol (and) Propanediol	0.30	Spectrastat™ PHL	Inolex
<b>PHASE E</b>			
Fragrance	2.00	Kale Fragrance, Code# 004657	Chemia

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### Procedure

- 1) Combine phase A waxes and melt at 80°C.
- 2) Add the oils of phase B to A with mixing.
- 3) Combine phase C ingredients with mixing to form a slurry.
- 4) Sequentially add phase D ingredients to C with mixing, and heat CD to 80°C to speed dissolution.
- 5) Add phase CD to AB with mixing, maintaining temperature at 80°C.
- 6) Add fragrance (phase E) with mixing.
- 7) Pour into mold(s) while formulation is still hot (75-80°).
- 8) Cool ( $\leq 35^{\circ}\text{C}$ ) before packaging.

**Appearance:** White solid bar

**How to use:** Rub conditioner bar between hands and then apply conditioner bar directly onto hair. Gently massage over hair, starting at the top and working toward the ends. Leave product in hair for a few minutes for maximum conditioning before rinsing. Keep bar dry between uses.