



## Hair Softening Conditioner Bar

### Formulation Reference: FM00145/E

A low waste, low water hair conditioning bar packed with hair softening butters of Mango and Avocado and Coconut oil. With **Texique CS-32** to help improve wet and dry combing. Containing anti-oxidant Green Tea powder and Vitamin B5 for moisturisation. Contains nourishing **Texiterra Marula Oil** to leave hair silky-soft and **Texiterra Raspberry Seed Oil** which helps improve hair shine.

Phase	INCI Ingredients	Function	% w/w	Trade Name
A	Behentrimonium Methosulfate (and) Cetyl Alcohol (and) Butylene Glycol	Conditioner / Emulsifier / Consistency factor	30.00	BTMS-50 <sup>1</sup>
	Cetearyl Alcohol	Wax / Consistency factor	30.00	Lanette O <sup>2</sup>
	Mangifera Indica Seed Butter	Emollient / hair softening	7.50	Mango Butter <sup>3</sup>
	Persea Grattissima Oil (and) Hydrogenated Vegetable Oil (and) Tocopherol	Emollient / hair softening	7.50	Avocado Butter <sup>1</sup>
	<b>Scierocarya Birrea Seed Oil</b>	<b>Emollient / softening / shine/ nourishes</b>	<b>5.00</b>	<b>Texiterra Marula Oil <sup>4</sup></b>
	<b>Rubus Idaeus Seed Oil</b>	<b>Emollient / softening / shine</b>	<b>3.00</b>	<b>Texiterra Raspberry Seed Oil <sup>4</sup></b>
	Cocos Nucifera (Coconut) Oil	Emollient / softening / shine	5.89	AAK Coconut Oil <sup>5</sup>
B	CI 15985	Colourant	0.012	FD&C Yellow <sup>6</sup>
	Camellia Sinensis (Green Tea) Leaf Powder	Anti-oxidant	0.10	Green Tea Leaf Powder <sup>3</sup>
	Panthenol	Moisturisation	2.00	DL-Panthenol <sup>7</sup>
	Styrax Benzoin gum extract (and) Dipropylene Glycol	Essential Oil / Fragrance	1.00	Benzoin Mobile Oil <sup>8</sup>



	Pogostemon Cablin Leaf Oil	Essential Oil / Fragrance	2.00	Patchouli Essential Oil <sup>8</sup>
	Benzyl Alcohol (and) Benzoic Acid (and) Dehydroacetic Acid (and) Tocopherol	Preservative	1.00	Euxyl K 903 <sup>9</sup>
<b>C</b>	<b>Aqua, Starch Hydroxypropyltrimonium Chloride, Phenoxyethanol, Sodium Benzoate</b>	<b>Conditioner</b>	<b>5.00</b>	<b>Texique CS-32 <sup>4</sup></b>

**Suppliers:** <sup>1</sup> The Soapery | <sup>2</sup> BASF | <sup>3</sup> The Soap Kitchen | <sup>4</sup> **Scott Bader** | <sup>5</sup> Surfachem | <sup>6</sup> Fast Colours | <sup>7</sup> OQEMA |  
| <sup>8</sup> Bay House Ingredients | <sup>9</sup> Ashland |

## Preparation procedure

1. Melt Phase A in main vessel and stir until uniform.
2. Weigh Phase B into a separate vessel and mix.
3. Add Phase C to Phase B and mix until uniform and all powders dissolved.
4. Add Stage 3 to Phase A and mix to combine. Ensure uniform.
5. Pour into mould and leave to set. Can be placed in fridge or freezer to allow bar to solidify.
6. Un-mould bar and leave to dry for at least 3 days before use.
7. Check pH is 4.50 – 5.50 by shredding small quantity of bar and making 10% solution in water.

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