Cold Process Sulphate Free Shampoo/ Bodywash Bar

Personal Care
from Scott Bader

Formulation reference: FM00144/D

Phase	Trade Name	INCI Ingredients	Function	% w/w	Supplier
A	Sodium Cocoyl Isethionate Powder	Sodium Cocoyl Isethionate	Surfactant	37.00	Bay House Ingredients
	Sodium Lauryl Sulfoacetate Powder	Sodium Lauryl Sulfoacetate	Surfactant	20.00	Bay House Ingredients
	Corn Starch	Zea Mays (Corn) Starch	Bulking Agent/ Moisture Absorber	8.00	Cosmetics Made Easy
	White Clay	Kaolin	Bulking Agent/ Moisture Absorber	4.00	Aromantic
	Citric Acid Monohydrate Granular	Citric Acid	pH Adjuster	0.25	Evonik
	Texique CS-P	**Starch Hydroxypropyltrimonium Chloride**	**Conditioner**	**3.00**	**Scott Bader**
B	**Texiterra Raspberry Seed Oil**	**Rubus Idaeus Seed Oil**	**Emollient/ Softening/ Shine**	**2.00**	**Scott Bader**
	Texiterra Marula Oil	**Scierocarya Birrea Seed Oil**	**Emollient/ Softening/ Shine/ Nourishing**	**1.50**	**Scott Bader**

A versatile rich foamy shampoo bar which can also be used as a bodywash. Simple to make, cold process and sulphate free! With conditioning ingredient ***Texique CS-P***, which helps improve hair wet and dry comb. Contains nourishing ***Texiterra Marula Oil*** to leave hair silky-soft and ***Texiterra Raspberry Seed Oil*** which helps improve hair shine.

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	Lavander Essential Oil, 40/42	Lavandula Angustifolia (Lavander) Oil	Essential Oil/ Fragrance	1.30	The Soap Kitchen
	Rosemary (Camphor) Essential Oil	Rosmarinus Officinalis Leaf Oil	Essential Oil/ Fragrance	0.60	O&3
	Cedarwood Essential Oil	Cupressus Funebris Wood Oil	Essential Oil/ Fragrance	0.60	O&3
	Tego Betaine F50	Cocomidopropyl Betaine (and) Aqua (and) Sodium Chloride	Surfactant	6.75	Evonik
	Decyl Glucoside	Decyl Glucoside (and) Aqua	Surfactant	14.00	Bay House Ingredients
	Euxyl K 903	Benzyl Alcohol (and) Benzoic Acid (and) Dehydroacetic Acid (and) Tocopherol	Preservative	1.00	Ashland
	D&C Violet 2	CI 60730	Colour	QS	
	FD&C Red 33	CI 17200C	Colour	QS	

Method

1. Whilst wearing a dust mask weigh out phase A powders into a suitable vessel. Stir to combine uniformly. Powders may be sieved during addition to ensure no lumps.
2. Add phase B materials individually.
3. Stir well with a silicone spatula to combine all wet and dry materials. Whilst wearing gloves blend thoroughly with hands until uniform and a stiff, easily mouldable paste is formed.
4. If the paste is too sticky, add more corn starch or white clay. If paste is too dry add more cocomidopropyl betaine.
5. Shape bar by hand or press into a mould. Leave for 3 hours.
6. Unmould the bar and leave to dry for at least 3 days.
7. Test pH by shredding small amount of bar and making a 10% solution. pH specification: 5.00 to 6.00