



FORMULATION WORKSHEET FOR HAIR OILS & BUTTERS

COURSE MATERIAL

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FORMULATING HAIR OILS AND BUTTERS

BASIC FORMULATION TEMPLATE FOR BUTTERS

<ul style="list-style-type: none">• Butters 50-90%• Fixed oils/Infused oils 10-30% Use up to 50% when working with hard butters like Cocoa butter	<ul style="list-style-type: none">• Choose oils according to the purpose you're formulating for e.g of Carrier oils include Coconut oil, Castor oil, Olive oil, Hempseed oil, Soya bean oil• Butters include Shea butter, Mango butter, Avocado butter, Cocoa butter e.t.c• Ghee can also be used when formulating hair butters
<ul style="list-style-type: none">• Oil soluble/Oil dispersible actives 0-15%• 0.1-1% Antioxidants	<ul style="list-style-type: none">• Oil soluble vitamins e.g Tocopheryl Acetate• High performance specialist oils e.g Sea buckthorn oil• Tocopherol
<ul style="list-style-type: none">• 0-10% Oil Soluble Conditioning Emulsifier• 0-5% Thickeners/Waxes	<ul style="list-style-type: none">• BTMS 50• Beeswax• Cetyl Alcohol
<ul style="list-style-type: none">• 0-1% Texture enhancer• 0-1.5% Essential oil	<ul style="list-style-type: none">• Lecithin, Allantoin e.t.c• Choose this to suit the purpose you, re formulating for

CONSIDERATION/IDEAS FOR BUTTERS

1. Choose the carrier oils to suit the purpose you are formulating for. (E.g. Oils with higher level of saturated fatty acid penetrate the hair better, while oils with a higher level of polyunsaturated fatty acid adsorbs to the hair shaft. So for a pre poo butter which is meant to protect the hair from protein loss from washing the hair, you should consider using oils like coconut, palm kernel, olive oil etc. and for sealing in moisture oils like hemp seed, sunflower might be a better option.
2. Your choice of carrier oil and butters, the ratio of oils to butters and the formulating method have a huge role to play in determining the final texture.
3. The mixing method determines the final texture of the butter. Whipped butters are achieved by whipping to introduce air which make the butter light and fluffy.

SAMPLE HAIR CONDITIONING BUTTER

INGREDIENT	%
PHASE A	
• Shea butter	70
PHASE B	
• Coconut oil	9
• Castor oil	5
• Ghee	5
• BTMS 50	7
• Cetyl alcohol	3
• Essential oil of choice	1

BASIC TEMPLATE FOR FORMULATING OILS

90-99% Carrier oils

- Choose oils according to the purpose you're formulating for e.g. of Carrier oils include Coconut oil, Castor oil, Olive oil, Hempseed oil, Soya bean oil
- This also includes infused oils

0-15% Oil soluble

- Oil soluble vitamins e.g. Tocopheryl Acetate
- High performance specialist oils e.g. Sea buckthorn oil

0.1-1% Antioxidants

- Tocopherol

0-1% Texture enhancer

- Lecithin

0-1.5% Essential oil

- Choose this to suit the purpose you're formulating for
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SAMPLE FORMULA FOR PRE POO/ HOT OIL TREATMENT

INGREDIENT	%
Coconut oil	41
Palm oil	3
Garlic infused Sweet almond oil	18
Sunflower oil	20
Ghee	10
Neem Oil	4
Soy lecithin	3
Essential oil of choice	1

SAMPLE FORMULA FOR STIMULATING HAIR OIL

INGREDIENT	%
Orange peel infused coconut oil	55
Avocado oil	30
Capsicum infused Castor oil	5
Clove infused Olive oil	3
Black seed oil	5
Soy lecithin	1
Peppermint oil	0.3
Rosemary essential oil	0.3
Sweet Orange essential oil	0.4

SAMPLE FORMULA HAIR NOURISHING OIL

INGREDIENT	%
Avocado Oil	38
Moringa oil	30
Hemp seed oil	8
Jojoba oil	10
Sunflower	10
Tocopheryl Acetate	2
Tocopherol	0.5
Soy lecithin	0.5
Tangerine Essential oil	0.5
Sweet orange essential oil	0.4
Lemongrass essential oil	0.3