

### himalayan salt and kaolin

#### Ingredients

##### Oils and fats

<input type="checkbox"/> Castor Oil	25 g	5%
<input type="checkbox"/> Canola Oil	100 g	20%
<input type="checkbox"/> Coconut Oil, 76 deg	125 g	25%
<input type="checkbox"/> Sesame Oil	25 g	5%
<input type="checkbox"/> Shea Butter	225 g	45%
<i>Total</i>	<i>500 g</i>	<i>100%</i>

##### Water and lye

<input type="checkbox"/> Water	150 g
<input type="checkbox"/> Lye (NaOH) (purity: 99.8%)	74.3 g
<i>(the above lye amount *includes* lye required to neutralize Citric acid (anhydrous))</i>	

##### Other ingredients

<input type="checkbox"/> Citric acid (anhydrous)	10 g
<input type="checkbox"/> Juniper essential oil	5 g
<input type="checkbox"/> Kaolin clay	15 g
<input type="checkbox"/> Lavender essential oil	5 g
<input type="checkbox"/> Ylang essential oil	5 g
<input type="checkbox"/> Salt	5 g

#### Recipe Totals

Superfatting	5%
Total batch weight	769.3g
Total oil weight	500g
Water as % of oils	30%
Water / lye ratio	2.02:1
Lye Concentration	33.1%
Saturated : Unsaturated	44:56

#### Soap properties

PROPERTY	VALUE	RECOMMENDED	
Hardness	42	29-54	
Longevity	25	25-50	
Cleansing	17	12-22	
Conditioning	54	44-69	
Lather	21	14-46	
Creamy	30	16-48	
Iodine	61	41-70	
INS	137	136-165	

#### Fatty acids

FATTY ACID	%	
Lauric	12	
Myristic	4.8	
Palmitic	5.8	
Stearic	19.4	
Ricinoleic	4.5	
Oleic	38	
Linoleic	9.8	
Linolenic	1.8	