

How to Use the Basic Bar Soap Oil Kit

Soapmaking Instructions

Ingredients

- 1 Basic Bar Soap Oil Kit
- Water
- Sodium Hydroxide

Optional Additives

- Clays
- Botanicals
- Colors
- Fragrance or Essential Oils

Reference the Lye Calculations on the back of this sheet for the recommended amount of Sodium Hydroxide. Our favorite amount of Sodium Hydroxide is the 6 or 7% excess fat range.

1. Line the mold with plastic wrap or bag. This will make the removal of the soap from the mold easy. If you are using a silicone mold, no liner is required. If you are using a hard plastic mold, coat it with a thin coat of mineral oil or Vaseline to help unmold your soap.
2. Melt the Basic Bar Soap Oil Kit and bring the temperature of the oils to near 120°F. You can find melting instructions below the soap-making instructions. The exact temperature is not critical.
3. While melting the Basic Bar Soap Oil Kit and wearing proper personal protective equipment, add sodium hydroxide to the water. Mix well. Allow to cool to near 120°F. Once again, the exact temperature is not critical.
4. Once the oils and lye solution are cooled to

Equipment

- Scale
- Soap Spoon
- Gloves
- Goggles or Eye Protection
- Thermometer
- Immersion Blender
- Mixing Containers
- Mold of your choice
- Plastic wrap or bag (If your mold needs to be lined)
- Microwave or cooking pot for hot water bath

near 120°F and are within 10 degrees of each other, gently combine oils and lye solution. Stir until mixed and no more oil floats to the top. This is called trace. If you aren't sure if you have achieved trace, stop mixing, go get a glass, fill it with water, and do not drink it. Come back to your soap. Is oil floating on the surface? If not, you have reached trace.

5. Upon reaching trace, add any desired fragrances or additives. Stir well. Pour soap into mold(s). Allow to sit until soap is firm, about 12 to 24 hours.
6. Cut into bars. Arrange bars on newspaper or cardboard with ½ inch spacing between bars to allow good air circulation. Allow to cure for several days before using. Longer curing will result in a harder bar.

Oil Kit Melting Instructions

Water Bath

If using a pot: fit the pot with a wire rack and fill 1/3 full with water. Place the pot on the stove and turn on the heat to medium-low. Open the jar of Basic Bar Soap Oil Kit and place the jar in the pot. If melting the 5 lbs bag, place the sealed bag in the pan. As water simmers in the pot, the heat will melt the Basic Bar Soap Oil Kit mixture. Once Basic Bar Soap Oil Kit is melted, remove it from the pan and cool to the desired temperature.

Microwave - 16 oz Kit

Open the jar of Basic Bar Soap Oil Kit, remove the seal, and place the jar into the microwave. Using the microwave, heat the Basic Bar Soap Oil Kit right inside the jar, using short bursts of time. We generally recommend short bursts of 30 seconds or so. When the Basic Bar Soap Oil Kit is mostly melted, stir to melt the last bit instead of overheating the Basic Bar Soap Oil Kit. Once the Basic Bar Soap Oil Kit is completely melted, remove it from the microwave and cool to the desired temperature.

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Microwave - 5 lbs Kit

Place the bag into the microwave. Using the microwave, the Basic Bar Soap Oil Kit right inside the sealed bag, using short bursts of time. We generally recommend short bursts of 30 seconds or so. When the Basic Bar Soap Oil Kit is mostly melted, knead the bag to melt the last bit instead of overheating the Basic Bar Soap Oil Kit. Once the Basic Bar Soap Oil Kit is completely melted, remove it from the microwave and cool to the desired temperature.

Soap Recipe Inspirations

Oatmeal, Milk & Honey Soap

16 oz Oil Kit
1 tablespoon finely ground oatmeal
0.25 oz Oatmeal, Milk & Honey Fragrance

Heavy Duty Pumice Scrub Soap

16 oz Oil Kit
1 oz Pumice
1 tablespoon Clay, White Kaolin
0.3 oz Jacob Fragrance Oil

Cucumber & Aloe Soap

16 oz Oil Kit
1 tablespoon Aloe Gel or Aloe Juice
0.2 oz Cucumber Fragrance Oil

Chocolate Peppermint Soap

16 oz Oil Kit
0.2 oz Chocolate Mousse Fragrance Oil
0.15 oz Peppermint Essential Oil
1 tsp Cocoa Powder

Lavandin & Tea Tree Soap

16 oz Oil Kit
0.15 oz Lavandin Essential Oil
0.05 oz Tea Tree Essential Oil

Fresh Lemon Soap

16 oz Oil Kit
Fresh Lemon Zest from 1 large lemon
0.32 oz Lemon Sugar Fragrance Oil

Osmanthus & Green Tea Soap

16 oz Oil Kit
Cooled Green Tea instead of water
0.25 oz Osmanthus Fragrance Oil

Lye Calculations

16 oz wt Basic Bar Soap Oil Kit

This recipe needs 4 to 6 fl oz of water.	% Excess Fat (Superfat)	Sodium Hydroxide Amount (ounces)
	0%	2.36
	1%	2.34
	2%	2.31
	3%	2.29
	4%	2.27
	5%	2.24
	6%	2.22
	7%	2.22
	8%	2.17
	9%	2.15
10%	2.13	

5 lbs Basic Bar Soap Oil Kit

This recipe needs 20 to 30 fl oz of water.	% Excess Fat (Superfat)	Sodium Hydroxide Amount (ounces)
	0%	11.81
	1%	11.69
	2%	11.57
	3%	11.45
	4%	11.33
	5%	11.22
	6%	11.10
	7%	10.98
	8%	10.86
	9%	10.74
10%	10.63	

For more information about these Lye Calculations, check out the Lye Calculator at www.TheSage.com or the links at the bottom of the Basic Bar Soap Oil Kit description on our website.



TheSage.com

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