



## Instructions for Cold Process Soap

### Materials:

- 10 oz. Distilled Water
- 3.9 oz Sodium Hydroxide Lye
- 8 oz Coconut Oil – 76° melt
- 7 oz Palm Oil
- 10 oz Rice Bran Oil
- 1 oz Shea Butter
- 1 oz Castor Oil
- 1.7 oz Fragrance Oil (choose an oil with very low vanillin for this recipe)
- ½ t. Mica Powder Colorant
- Spray bottle with 90% Rubbing Alcohol
- Loaf Soap Mold

### Equipment:

- Microwave
- Large Glass Measuring Bowl
- Heat-Safe Pitcher (to mix lye)
- Stick Blender
- Spatulas or Mixing Spoons
- Safety Equipment (goggles, mask, gloves)
- Small plastic/glass cup or beaker
- Digital Scale
- Infrared Thermometer
- Measuring Spoons
- Knife or Soap Cutter

### Procedure: (For one loaf mold)

Please make sure to take all safety precautions when making cold process soap. That means, wear long sleeve shirts/closed toe shoes.

1. Put on your protective gear – safety glasses or goggles, gloves. You are working with lye which is very caustic.
2. Prepare your lye solution by weighing the water in one container and the lye in another container. Pour the lye into the water, and stir carefully in a well-ventilated area until the lye is incorporated. Always pour your lye in the water, never the opposite.
3. Measure your oils and butters in a glass bowl and melt them in your microwave. Add your mica powder. Set aside.
4. Measure your fragrance oil into a small plastic/glass cup or beaker and set aside.
5. Let lye and oils cool for a couple of hours until they are at room temperature (80° or so).
6. After your lye and oils are at room temperature, and no more than 10° degrees difference, pour the lye mixture into the oils.
7. Stick blend until your oils are emulsified with your lye, or you can bring them to a very light trace.
8. Add your fragrance oil and stir with a spatula for a minute or so until it is incorporated.
9. Pour your batter into the loaf mold. Tap the mold on the counter to release any air bubbles.
10. Liberally spray the top of the soap with 90% Rubbing Alcohol – this helps prevent Soda Ash.
11. Cover mold with a towel, or put in cold oven for 24 hours or longer until the soap is firm enough to unmold.
12. Remove from mold and slice into bars.
13. Let soap cure for 6-8 weeks.

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