



Blue Yonder Urban Farms

<http://blueyonderurbanfarms.com>

Coconut Castile Liquid Soap Base

THE RECIPE

Ingredients:

32 oz. Coconut Oil

24 oz. Distilled Water

7.7 oz. Potassium Hydroxide (KOH/LYE)

Additional Items:

Vinegar, Paper Towels, Old Towels or Rags.

Safety Equipment:

Goggles, Gloves, Vapor Breathing Mask, Socks & Shoes.

Instructions:

1. Weigh the Coconut Oil into a large stainless steel cooking pot. Place the pot on the stove and melt the Coconut Oil.
2. Weigh the distilled water, and pour into a 1-gallon heat resistant bucket.
3. Put on Safety Gear, Goggles, Gloves & Vapor Breathing Mask,
4. Weigh the Potassium Hydroxide (Lye) and pour the lye into the plastic bucket with water, stir and cover bucket with lid.
5. When Coconut Oil is melted, carefully add the Lye to the stainless steel bucket of oil. !!!Slowly & Carefully!!!
6. Preheat the oven To 250 degrees.
7. With the Immersion Blender mix oil and Lye water till it becomes a batter, and is solid enough to hold a tracing on the surface.
8. When the soap batter has traced, scrap all batter off the inside of the pot.
9. With a damp paper towel wipe down the inside surfaces of the pot as low as you can to remove any soap that could brown and discolor the finished product.
10. Cover and place pot of soap in the preheated oven set a timer for 30 minutes.
11. After 30 minutes remove soap pot, and stir down the batter, wipe the sides down again, cover and put the pot back into the oven, set the timer for another 30 minutes.
12. You can increase the oven temperature to 350 and cook for a total of 6 hours. Checking every hour stirring it down, and wiping down the insides to keep any soap from browning.
13. The soap is done when it has cooked for 6 hours and has reached a vaseline like appearance.



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THE RECIPE CONTINUED

Instructions:

1. Now is the time to dilute the paste. Scrap down the sides, and with a clean wet paper wipe the inside of the soap pot down to remove any discolored soap paste.
2. In another large pot heat, 70 weighed ozs. of distilled water, and bring to a boil, add boiling water to the pot with liquid soap paste.
3. Cover and put the pot of soap paste back in the oven, and turn off heat.
4. Leave overnight to dissolve, in the morning the soap should have dissolved. If you see clumps of undissolved soap stir the pot, cover and put back in the oven, turn heat up to 350 and cook for another hour to see if that makes a difference, if not.
5. Heat another 10 weighed oz. distilled water, bringing your total to 80 ozs. exactly how much it took me to dissolve this recipe. Put back in the oven at 350 for another hour.
6. Is the soap dissolved? A few very small clumps will probably continue to dissolve over time, if they are small enough to pass through the opening of the container you plan to store your soap in using a funnel if you need to pour the liquid soap into the container. It will probably keep dissolving; It might take a few days to few weeks.