

## **Recipe for Liquid Soap Paste**

Making your own liquid soap is not hard to do, but it is different from making cold processed bar soap. It requires a different type of lye - KOH, or potassium hydroxide. A word of caution; when using this type of lye, the fumes are much stronger than sodium hydroxide, so please WEAR A MASK, GLOVES, GOGGLES, AND LONG SLEEVES when mixing the lye and liquids! This recipe will make approx. 24 lbs. of liquid soap paste, which will dilute to up to 72 lbs. of liquid soap! It's ok to double this recipe, but you'll need a 6 gallon bucket!

### **Core Ingredients:**

13 lbs. Soybean Shortening

1 lbs. Coconut Oil

1 lb. Shea butter \*

2 lbs. 13.5 oz. Potassium Hydroxide (KOH)

1/2 Gallon Cold Water

1 Quart Goat Milk (or water, to make a non-milk soap) \*This is handy, because I can  
alot of our extra milk in quart jars!

1 cup Palm Stearic Acid

\*You can change the types of oils slightly, but you must have 15 lbs. total oils.

### **Equipment:**

Plastic Bucket (3-5 gal.)

18V drill

Squirrel Cage Mixer (preferably stainless steel)

Mask

Plastic Gloves

Goggles

Long Sleeves

### **Instructions:**

Heat your oils and stearic acid to approx. 110-120F. Measure your liquids into a plastic bucket. Put your mask, gloves, and goggles on, pull down your sleeves, and now measure your lye (by weight), and pour into your bucket of liquids. Stir well, and watch out for the fumes! (I open doors, windows) Mix well. You can let this cool down to 110, if you want, but it's NOT necessary. The temperature for the oils and liquid for liquid soap don't have to be exact. I don't even really check!

Pour the oils into the liquid/lye mixture in bucket. Stir well. Come back every hour or so, and give it another good stir. It's ok to leave overnight, if it hasn't thickened yet. Come back in the morning, and give it another good stir. It should now be in a really thick paste form(hard to stir), like mashed potatoes, and should be a nice amber color. Cover with a lid, and allow to cure a couple of days. That's it!!

This is a forgiving recipe, as far as mixing and stirring goes, but measurements must be accurate!

### Diluting Instructions:

Making Liquid Soap from the paste is easy, and can save you quite a bit on shipping. Here is a simple way to do it, just follow the steps below!

This demonstration is using 1 pound of Goat Milk Liquid Soap Base, to 2 pounds 4oz. (4 1/2 cups) of water. This will make over 3 pounds of thick liquid soap.

Weigh (or measure) 2 pounds 4oz. (4 1/2 cups) of BOILING water (CAREFUL!!). If you're wanting to add any additives, like aloe, infusions, or a little oil (no more than 1oz. total extra oils per lb. of base), this is where you'll add them, to equal 2 lb.4oz. of liquid.

Mix both in 1/2 gallon - 1 gallon container. This is the tricky part. Liquid soap doesn't really want to mix with water, so use a wire whip, like I'm doing in the picture, and stir up and down, don't stir fast, you'll get too many bubbles! Gently move the whip up and down and around, till the paste is broken up into pea size pieces.

Cover overnight or so, mixing now and then, till fully dissolved. You may find you need to add a little extra water, if it seems too thick, but don't be fooled, add only 1/8 cup at a time, and mix thoroughly, it will thin down quickly!

Ta-Da!:o)

### Adding Fragrance:

Adding fragrance is a little tricky with liquid soap. Some fragrance or essential oils can make the diluted liquid soap either thicker, or thinner. It is different with each fo or eo supplier, so I would advise that you find what works for you, and stick with it!:) You can add about 1/2 oz. (or 1 TBS., approx.) per quart (4 cups) of liquid soap, but no more than 4 TBS. per gallon. I usually added about 3 TBS. per gallon.

I do not add coloring to my liquid soap, because it's a little difficult, to be honest. If you do, though, try using liquid mica and oxides, they work the best from what I've tried, but experiment with it!:)

Suppliers:

<http://www.dudadiesel.com> This is where I get my Potassium Hydroxide:)

<http://www.soaperschoice.com/> This is where I get my shortening, Coconut Oil, and Palm Stearic Acid! I love this site, not just for liquid soap supplies!:)

Fragrance and/or Essential Oils:

<http://www.camdengrey.com/>

<http://www.naturesgardencandles.com/>

<http://www.wholesalesuppliesplus.com/>

I wish you happy soaping! :)

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