

## Chemsoft Conditioner Base Tutorial

[Chemsoft conditioner base](#) is an easy-to-use, economical conditioner concentrate. It's naturally derived from canola oil, other vegetable oils, coconut oil, and plant fatty acids and sorbitol and has been specially formulated and balanced to ensure the highest conditioning for the lowest cost. In hair care applications it provides excellent conditioning, anti-static properties for wet combing, detangling, hair softening, and great suspension and emulsification. In this tutorial we create a half gallon batch of conditioner based on our starter formula and walk you through each step of the process.

### **You will need:**

1397 grams of distilled water

107 grams [Chemsoft conditioner base](#)

18 grams [glycerin](#)

215 grams [vegetable oils](#)

18 grams [vitamin E acetate](#)

36 grams [cyclomethicone](#)

Either 14 grams [Germaben II](#) or 21 grams [Optiphen](#) (your choice)

36 grams [fragrance](#)

[Gel color](#) (optional)

1 [gallon bottle](#)

[Gallon bottle pump](#)

Bowl for mixing

Electric mixer (not stick blender)

[Thermometer](#)

[Scale](#)

[Funnel](#)

### **Step 1: Measure & heat water to 160 degrees Fahrenheit**

Measure out 1397 grams (or 49.9 ounces) of distilled water using your scale. You can heat the water either in the microwave or on the stove, but either way you will want to check the temperature periodically with your thermometer. The important thing is to make sure that the water gets to 160 degrees, as this is the temperature needed to break down the Chemsoft base, but if you go slightly over, it's not a big deal. You simply don't want the water to boil. Once it's hot enough, pour the water into your mixing bowl.



### Step 2: Add Chemsoft conditioner base to water

Measure out 107 grams (3.85 oz) of your Chemsoft conditioner base and add it to the bowl with the water. Mix it for 5 minutes or until completely dissolved. It's important that you don't use a stick blender for this process as it will tear the base apart and not mix it properly.



### Step 3: Add glycerin

Measure out 18 grams (.64 oz) of glycerin and add it to the bowl, then mix it in. If you are using a stand mixer, you can simply pour the glycerin in while the mixer is running as long as you're sure the Chemsoft conditioner base has been mixed properly first.



#### Step 4: Add vegetable oil

Measure out 215 grams (7.68 oz) of vegetable oil, add it to the bowl, and mix. We used [sweet almond oil](#) for this batch, but almost any vegetable oil will work.



#### Step 5: Add vitamin E acetate

Measure out 18 grams (.64 oz) of vitamin E acetate, add it to the bowl, and mix.

#### Step 6: Add cyclomethicone

Measure out 36 grams (1.28 oz) of cyclomethicone, add to the bowl, and mix.



#### Step 7: Add preservative

Measure out either 14 grams (.5 oz) of germaben II or 21 grams (.75 oz) of optiphen, add to the bowl, and mix. Either of these preservatives will work well in your conditioner, so which one you use is really about your personal preference.

#### Step 8: Add fragrance & color

If you choose to add fragrance to your conditioner, measure out 36 grams (1.28 oz) fragrance oil and add to the bowl. We chose [cool water](#) for our fragrance, but other fragrances like our [citrus splash](#) and [Hawaiian tropic](#) work well also!

We left our conditioner its natural white, but if you want to give it some color, add a few drops of gel color and mix well. The number of drops you use will depend on the desired look.



### **Step 9: Pour your conditioner into the bottle**

Using the funnel, carefully pour your conditioner from the bowl into the gallon bottle and attach the pump. If you're planning on selling or giving your conditioner immediately, you can pour it directly into smaller bottles, but we chose to use the larger bottle since you can easily use it directly from that bottle or use the pump to dispense it into smaller ones. Your conditioner will still be slightly warm, so if you're putting it directly into bottles for sale or gifts, leave the caps off while the conditioner cools to avoid condensation on the inside of the bottle.

### **Step 10: Enjoy!**

Once bottled, your conditioner is ready to use, though you may want to wait for it to cool as it will thicken up some. Conditioner from the Chemsoft conditioner base pairs well with homemade shampoo or even shampoo bars and makes an excellent addition to any product line or gift basket. It's also great to use at home and leaves your hair feeling soft and smooth!