



Cosmetic Safety Solutions Ltd

Anti Microbial Liquid Soap with Tea Tree & Lavender

For experienced soap makers only

We had a lot of requests during the pandemic, for a liquid version of the anti-microbial soap & so we developed a recipe that uses the same base ingredients as the solid soap, apart from the addition of Potassium hydroxide and a little extra glycerin. After much testing we were happy and offer this recipe on the same basis as the solid soap; a free recipe for those who want to make for themselves & family / friends and a very much discounted assessment report for those who want to donate and or sell.

Base Oils

Olive Oil - Olea Europaea Fruit Oil 600g

Coconut Oil - Cocos Nucifera Oil 250g

Shea Butter - Butyrospermum Parkii Butter 100g

Castor Oil - Ricinus Communis Seed Oil 50g

Additional Glycerin added to lye solution OR Dilution Stage 1, 15% of base oils 150g

Lye Solution

Potassium Hydroxide 210g*

Sodium Hydroxide 8g

Water 375g

Dilution Stages 1 – Water 1000g

Dilution Stage 2 – Water (including salt solution for thickening) Qs – up to 3100g

400g for salt solution (340g water 60g salt)

Melaleuca Alternifolia Leaf Oil 45g

Lavandula Angustifolia Oil 45g

Now liquid soaps can be tricky, because a lot of people aim for a crystal-clear product - we wanted to include Shea butter in our soaps for the moisturising effect - this makes a "cloudy" liquid soap - so, what we did, was to formulate a liquid soap that is not cloudy - it is opaque - creamy / white and has a natural, pearlescent effect.

*For this recipe, KOH/Potassium Hydroxide must be 90% purity. No other grade should be used.