



## Sample Formulation

Polysorbate 20

### Natural Mosquito Spray

Ingredient	%	g/Per kg
Distilled Water	82	860
<a href="#">Polysorbate 20</a>	10	100
<a href="#">Lemon Oil Cold Pressed</a>	2	10
<a href="#">Citronella</a>	3	50
<a href="#">Peppermint Essential Oil</a>	1	10
<a href="#">Eucalyptus Essential Oil</a>	1	10
<a href="#">Optiphen Plus (Preservative)</a>	1	10

#### Other equipment/Packaging

**Bottles:** We recommend 100ml amber PET bottle

<https://www.aussiecandlesupplies.com.au/products/clear-200ml-pet-bottle-ea-res>

**Atomiser:** <https://www.aussiecandlesupplies.com.au/products/black-misting-spray-lid-24m>

**Spatula/Spoon**

**Scales** <https://www.aussiecandlesupplies.com.au/search?q=digital+scales>

**Isopropyl Alcohol:** <https://www.aussiecandlesupplies.com.au/products/isopropyl-alcho>

## Method

1. Sterilise a pyrex jug with isopropyl alcohol
2. Add all ingredients to the jug and mix using a metal spoon to mix thoroughly
3. Decant into bottles and attach atomiser. The product has a shelf life of approximately 12 months from manufacture.

## Variations

- For direct skin contact, try reducing the citronella to 1% and increasing the water to 84%
- For outdoor spray (no skin contact) increase the citronella to 5% and reduce water content to 80%
- For long shelf life, bottle in amber or dark glass