

Zit Zap

This quick guide gives you everything you need at a glance when making the formula — tools, containers, ingredient lists, and step-by-step directions. Use it as your working page while you formulate. There's space to check off steps, record notes, and customize your batch if you enjoy experimenting.

For your first batch, you only need the Test Version and the core directions — print those pages and skip the rest until you're ready to scale up or customize. The Full Formula, Minimalist, and Custom Blend tables can be printed later.

After printing, use the notes column to jot adjustments or observations directly onto the directions table — it's designed as your working surface while you formulate.

Difficulty: Moderate

Required Ingredients: 4

Optional Ingredients: 5

Prep Time: 30 minutes

Full Cure: 4 hours

⚠ IMPORTANT: This quick guide is for formulation only. Before beginning, please **read the full description of the Zit Zap Spot Stick** for detailed safety precautions, ingredient explanations, and usage instructions.

Suggested Container Options

- 1 [Black Lip Balm Round Tube with Cap \(0.5 oz/15 mL\)](#)
- 2 [Black Lip Balm Tubes with Caps \(0.15 oz/4.25 mL each\)](#)

Suggested Tools & Equipment

- gloves (optional)
- spray bottle with 70% isopropyl alcohol
- milligram scale (100 g × 0.001 g)
- 1 heat source (such as a hot plate, water bath, or double boiler)
- digital thermometer
- timer (optional)
- 1 glass beaker (~50 mL)
- tiny glass or ceramic dishes
- several stainless-steel lab spatulas
- stainless-steel spoons
- skewers or disposable pipettes (optional)
- flexible silicone scrapers
- sanitized, completely dry final container
- labels

Formulation Notes

¹ Substitute for Meadowfoam Oil: Jojoba Oil.

² Substitute for Candelilla Wax: Rice Bran Wax or Soy Wax (cosmetic grade).

³ Optional. Kojic Acid Dipalmitate adds brightening. If omitted, increase Meadowfoam Oil. Do not use plain Kojic Acid.

⁴ Optional. Substitute for Olivem 900: C10-18 Triglycerides (softer, less adhesive). If omitted, slightly increase Candelilla Wax for firmness and Meadowfoam Oil for total weight.

⁵ There are no substitutes for Copaiba Resin Oil. It calms blemishes with low aroma.

⁶ Optional. Tamanu helps with marks and inflammation but has a strong, earthy scent. If omitting Tamanu Oil, increase Meadowfoam.

⁷ Optional. Substitute for Bisabolol: Chamomile CO₂ (has a noticeable herbal scent). If omitted, increase the Meadowfoam Oil.

⁸ Substitute for Mixed Tocopherols: Use Rosemary Extract (25% standardized) at 0.1–0.3%. The "25%" refers to the strength sold by suppliers, not the amount you use.

⁹ Optional. Substitute for Totarol Powder: Oil-soluble Green Tea Extract. This replaces antioxidant support but not Totarol's targeted blemish-support benefits.

TEST FORMULA

Makes 10 g Zit Zap / Fills two 0.15 fl oz (4.25 mL) tubes

This version is designed for testing. Making a small batch first lets you check texture, scent, and skin feel before committing to a larger amount. Once you're happy with the results, you can make the larger batch for general use.

Phase	Ingredients	Function	%	Grams
A	Meadowfoam Oil ¹	Moisturizes	58.50%	5.85
A	Candelilla Wax ²	Gives structure	17.00%	1.70
A	Kojic Acid Dipalmitate ³	Brightens spots	4.00%	0.40
B	Olivem 900 ⁴	Improves glide	10.00%	1.00
B	Copaiba Resin Oil ⁵	Soothes blemishes	5.00%	0.50
B	Tamanu Oil ⁶	Supports skin repair	3.00%	0.30
B	Bisabolol ⁷	Calms skin	1.00%	0.10
B	Mixed Tocopherols ⁸	Keeps oils fresh	1.00%	0.10
B	Totarol Powder ⁹	Fights bacteria	0.50%	0.05
			100.00%	10.00

FULL FORMULA (Includes Optional Ingredients)

Makes 30 g Zit Zap / Fills one 0.5 fl oz (15 mL) and two 0.15 fl oz (4.25 mL) tubes

Phase	Ingredients	Function	%	Grams
A	Meadowfoam Oil ¹	Moisturizes	58.50%	17.55
A	Candelilla Wax ²	Gives structure	17.00%	5.10
A	Kojic Acid Dipalmitate ³	Brightens spots	4.00%	1.20
B	Olivem 900 ⁴	Improves glide	10.00%	3.00
B	Copaiba Resin Oil ⁵	Soothes blemishes	5.00%	1.50
B	Tamanu Oil ⁶	Supports skin repair	3.00%	0.90
B	Bisabolol ⁷	Calms skin	1.00%	0.30
B	Mixed Tocopherols ⁸	Keeps oils fresh	1.00%	0.30
B	Totarol Powder ⁹	Targets blemishes	0.50%	0.15
			100.00%	30.00

MINIMALIST FORMULA (Required Ingredients Only)

Makes 30 g Zit Zap / Fills one 0.5 fl oz (15 mL) and two 0.15 fl oz (4.25 mL) tubes

This version uses only the core ingredients needed for a firm, soothing spot stick. With all optional actives removed, the structure comes entirely from candelilla wax, giving a simple, low-scent balm that applies cleanly and stays put. You won't get the added brightening or targeted acne-support benefits of the full formula, but you still get a gentle, effective spot treatment.

Phase	Ingredients	Function	%	Grams
A	Meadowfoam Oil ¹	Moisturizes	74.00%	22.20
A	Candelilla Wax ²	Gives structure	20.00%	6.00
B	Copaiba Resin Oil ⁵	Soothes blemishes	5.00%	1.50
B	Mixed Tocopherols ⁸	Keeps oils fresh	1.00%	0.30
			100.00%	30.00

How to Use the Custom Blend Table

This table is provided to help you customize your blend. Only fill it out if you enjoy experimenting and feel comfortable working with percentages. The full formula above is already balanced and ready to use.

You may choose any batch size you like. Percentages always stay the same; only the grams change. Enter the percentage you want for each ingredient and adjust the values until your total reaches 100%. Then calculate the grams so they add up to your chosen batch size. Add the % column to ensure it equals 100%, and add the grams column to ensure it equals your batch size. Items shown in bold are required components of the formula.

Some percentages are already filled in because these ingredients must stay at fixed levels for safety, stability, or performance. Only adjust the blank cells.

Examples of the math:

- If you choose a 20 g batch and an ingredient is 7%, multiply: $20 \times 0.07 = 1.4$ g
- If you choose a 50 g batch and an ingredient is 1%, multiply: $50 \times 0.01 = 0.5$ g
- If you keep the original 60 g batch and an ingredient is 0.5%, multiply: $60 \times 0.005 = 0.3$ g

MY CUSTOM BLEND

Zit Zap Spot Sticks

Phase	Ingredients	Function	%	Grams
A	Meadowfoam Oil¹ (55-74%)	Moisturizes		
A	Candelilla Wax² (15-20%)	Gives structure		
A	Kojic Acid Dipalmitate ³ (Max 4%)	Brightens spots		
B	Olivem 900 ⁴ (Max 10%)	Improves glide		
B	Copaiba Resin Oil⁵ (3-5%)	Soothes blemishes		
B	Tamanu Oil ⁶ (Max 3%)	Supports skin repair		
B	Bisabolol ⁷ (Max 1%)	Calms skin		
B	Mixed Tocopherols⁸	Keeps oils fresh	1.00%	
B	Totarol Powder ⁹ (Max 0.5%)	Targets blemishes		
			100.00%	

Date:

Formulation Method	Notes	✓
Prepare your workspace and a sanitized, completely dry container. Wash and dry your hands or put on gloves. Spray all tools and equipment with 70% Isopropyl Alcohol and let them air-dry before beginning.		
Weigh out ingredients before heating and combining.		
Phase A: Weigh Oil and Wax		
1. Place a clean beaker that holds at least twice the amount of product you plan to make on the large-capacity scale. For a small batch, you may be able to use the milligram scale.		
2. Press Tare to show 0.000 g. Use a spoon or small beaker to slowly drizzle Meadowfoam Oil into the beaker to reach the target weight. Set aside.		
3. Place a clean, tiny dish on the milligram scale and press Tare . Use a small spoon to slowly transfer Candelilla Wax into the dish to reach the target weight. Transfer into the main beaker with the Meadowfoam Oil.		
4. Optional. Return the dish to the scale and press Tare . Use the flat end of a lab spatula to add Kojic Acid Dipalmitate to the dish to reach the target weight. Transfer into the main beaker.		
5. Stir with a silicone scraper. Set aside.		

Formulation Method	Notes	✓
Phase B: Weigh Heat-sensitive Ingredients		
1. Return the tiny dish to the milligram scale.		
2. Optional. Press Tare . Use a spoon to slowly transfer Olivem 900 into the dish to reach the target weight.		
3. Press Tare . Use a small spoon or a disposable pipette to add Copaiba Resin Oil to the dish to reach the target weight.		
4. Optional. Press Tare . Use a small spoon to slowly drizzle Tamanu Oil into the dish to reach the target weight.		
5. Optional. Press Tare . Use a small spoon, skewer, or a disposable pipette to drizzle Bisabolol into the dish, a drop at a time, to reach the target weight.		
6. Press Tare . Use a small spoon, skewer, or a disposable pipette to slowly drizzle Mixed Tocopherols into the dish to reach the target weight.		
7. Optional. Press Tare . Use the flat end of a lab spatula to slowly sprinkle Totarol Powder into the dish to reach the target weight.		
8. Stir with a silicone scraper until uniform and the Totarol is dispersed. Set aside .		
Warm and Combine		
1. Place the Phase A beaker on a heat-safe surface or in a warm bath and warm gently to 85–90 °C (185–194 °F) , stirring occasionally with a lab spatula until fully melted and uniform. If you use a warm bath, ensure water does not get into the beaker. Scrape the sides of the beaker as needed.		
2. Remove from the heat and wipe the thermometer with a clean paper towel.		
3. Allow the mixture to cool to 65–70 °C (149–158 °F) .		
4. Use the flexible silicone spatula to scrape the Phase B mixture into the main beaker and stir .		
5. If the mixture thickens after adding Phase B , place the beaker back on the heat source and warm gently to 65–70 °C (149–158 °F) until fluid again. Scrape the sides of the beaker as needed.		

Package	Notes	✓
1. While still fluid at 65–70 °C (149–158 °F), gently tap the beaker on the counter to release any trapped air bubbles.		
2. Pour the mixture into sanitized twist-up tubes. Do not use a funnel — it will clog when pouring wax. Pour directly into the tubes with a slow, steady stream.		
3. If mixture gets on the outside of the tube , let it harden, then scrape off easily.		
4. Wait 4 hours . Let set at room temperature for 4 hours (or refrigerate 1 hour, then return to room temperature for 3–4 hours). A timer can be helpful.		
5. Wipe or scrape away any wax that got on the outside of the tube/tin rims and cap .		
6. Label the containers with the product name and a 12-month expiration date.		
7. Store below 30°C / 86°F, away from sunlight and moisture.		

Cleanup	✓
Tools	
1. Immediately after making the product, wipe down tools with a clean, dry paper towel.	
2. Rinse all tools under warm running water to loosen residue.	
3. Wash with hot, soapy water using a soft sponge or bottle brush.	
4. For stubborn residue, soak tools in warm water with dish soap for 10–15 minutes before scrubbing.	
5. Sanitize tools in a dishwasher if they are dishwasher-safe.	
Workspace	
1. Wipe down counters and scales with a damp cloth.	
2. Sanitize surfaces with 70% isopropyl alcohol (spray or wipes), then allow to air-dry.	
3. Store clean tools in a covered container or drawer to prevent dust and contamination.	