

Baby Ointment

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 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: Easy

Required Ingredients: 3

Optional Ingredients: 1

Prep Time: 15 minutes

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

Suggested Container Options

Wax Included:

- 1 [White MDPE Plastic Tottle Tube \(2 oz/59 mL\)](#)
- 1 [White MDPE Plastic Tottle Tube \(4 oz/118 mL\)](#)

Wax Omitted:

- 1 [Amber Boston Round Glass Bottle with Lotion Pump \(4 oz/118 mL\)](#)
- 1 [Natural HDPE Bottle with Standard Cap \(2 oz/59 mL\)](#)

Suggested Tools & Equipment

- gloves (optional)
- spray bottle with 70% isopropyl alcohol
- large-capacity scale (5000 g × 0.01 g)
- milligram scale (100 g × 0.001 g)
- 1 heat source (hot plate, water bath, or double boiler)
- digital thermometer
- timer (optional)
- 1 glass beaker (~400 mL)
- 1 small glass beaker to aid pouring (optional)
- stainless-steel lab spatulas
- 1 stainless-steel spoon
- flexible silicone scrapers
- sanitized, completely dry final container
- labels

Formulation Notes

¹ Substitute for Caprylic/Capric Triglycerides (MCT Oil): Squalane (lighter, absorbs faster) or Jojoba Oil (richer, stays on the surface longer).

² There is no substitute for Zinc Oxide or Colloidal Oatmeal.

³ Optional. Substitute for Candelilla Wax: Beeswax (softer, creamier glide) or Carnauba Wax (firmer, more solid feel). If omitted, increase MCT Oil. The product will be very thin.

TEST FORMULA

Makes 20 g Baby Ointment

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	Caprylic/Capric Triglycerides¹	Spreads and softens	68.40%	13.68
A	Zinc Oxide, High Micron²	Protects	20.00%	4.00
A	Colloidal Oatmeal²	Soothes	10.00%	2.00
A	Candelilla Wax ³	Thickens	1.60%	0.32
			100.00%	20.00

FULL FORMULA (Includes Optional Ingredients)

Makes 180 g Baby Ointment /

Fills one 4 fl oz (118 mL) bottle or tube and one 2 fl oz (59 mL) bottle or tube

Phase	Ingredients	Function	%	Grams
A	Caprylic/Capric Triglycerides¹	Spreads and softens	68.40%	123.12
A	Zinc Oxide, High Micron²	Protects	20.00%	36.00
A	Colloidal Oatmeal²	Soothes	10.00%	18.00
A	Candelilla Wax ³	Thickens	1.60%	2.88
			100.00%	180.00

MINIMALIST FORMULA (Required Ingredients Only)

There is no minimalist version of this formula because the full formula already uses only three essential ingredients.

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.

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

Baby Ointment

Phase	Ingredients	Function	%	Grams
A	Caprylic/Capric Triglycerides¹ (58-85%)	Spreads and softens		
A	Zinc Oxide, High Micron² (10-25%)	Protects		
A	Colloidal Oatmeal² (5-15%)	Soothes		
A	Candelilla Wax ³ (Max 2%)	Thickens		
			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.		
Phase A: Combine All Ingredients		
1. Place a clean beaker that holds at least twice the amount of product you plan to make on the large-capacity scale.		
2. Press Tare to reach 0.00 g. Use a small beaker to slowly drizzle Caprylic/Capric Triglycerides (MCT Oil) into the main beaker to reach the target weight.		
3. Press Tare. Use a spoon to slowly sprinkle Zinc Oxide into the beaker to reach the target weight.		
4. Press Tare. Use a spoon to slowly sprinkle Colloidal Oatmeal into the beaker to reach the target weight. If using liquid extract, use a spoon to transfer to the beaker.		
5. Press Tare. Use a spoon to slowly transfer Candelilla Wax into the beaker to reach the target weight.		
6. Stir briefly.		
Warm		
1. Place the beaker on a heat-safe surface. Warm the mixture until it is fully smooth (about 70-75°C / 158-167°F).		
2. Stir thoroughly until the mixture is fully uniform. Scrape the sides and bottom of the beaker to ensure even dispersion.		
3. Remove from the heat surface and wipe the thermometer with a clean paper towel.		

Package	Notes	✓
1. If the product includes wax , place the clean, completely dry empty tottle (upside-down squeeze bottle) upright in a glass and carefully pour the ointment into the tottle bottle(s). If the product does not include wax , pour into an amber Boston round bottle and a small HDPE Bottle for travel.		
2. Wait 4 hours . Allow to return to room temperature before capping. A timer can be helpful.		
3. Wipe the rim, then cap tightly.		
4. Label the containers with the product name and a 12-month expiration date.		
5. Store below 30°C / 86°F, away from sunlight and moisture.		
6. Shake the bottles gently before first use.		

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.	