

"Fail-Safe" Spherification Recipe Card



ECO BINI™
building a greener future

THE MASTER BASE (The Fail-Safe Secret)

The Formula: 2% Sodium Alginate Stock **Why?** Hydrating alginate is the #1 cause of failure. Pre-making a stock ensures zero bubbles and zero clumps.

- **Ingredients:** 300ml Distilled Water + 2 ½ teaspoons Sodium Alginate.
- **Method:**
 1. Add room temp distilled water to the 1000ml Mixing tub, and gently swirl.
 2. Add Alginate to the 1000ml mixing tub, and quickly stir in [or use immersion blender] till no more dry sodium alginate seen.
 3. **The PC-Hack:** Pressure Cook (PC) for 10-15 mins [with empty 320ml media jar]
 4. Store 2% **Master Base** in your 320ml Media Jar. Lasts 3 months in the fridge.

TWO WAYS TO SPHERE

METHOD A: DIRECT (Caviar & Pearls)

1. **The Mix:** 200ml flavorful liquid + 50ml **Master Base**.
 - *Tip: If liquid is acidic, add 1/4 tsp Sodium Citrate **first** to liquid, and stir in.*
2. **The Bath:** 500ml Water + 2 teaspoon Calcium Lactate (1%).
3. **The Action:** Drip into bath. Wait 1 min. Rinse in fresh water.

METHOD B: REVERSE (Liquid-Center Pods)

1. **The Mix:** 200ml flavorful liquid + 1 ¼ teaspoon Calcium Lactate (2%).
 - *Tip: If liquid is too light for round spheres, add 0.5% XA-Gel*
2. **The Bath:** 250ml **Master Base** + 750ml Distilled Water (0.5% Alginate).
 - *Tip: If unsure of water quality [tap], add 1/2 tsp Sodium Citrate **first** to water, and stir in, to entrap any stray Calcium ions that may react with alginate prematurely.*
 - *Tip: In Reverse Spherification the bath will not get contaminated by sphere content osmosis, so after use the bath can be 'reset' in PC for indefinite storage.*
3. **The Action:** Drop spoonfuls (or use the caviar maker) into the bath. Wait 2 mins. Rinse. These stay liquid inside indefinitely!

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