From our Formulary

Basic Water-in-Silicone Serum Kit

Lotioncrafter Serum SE is a proprietary blend of self emulsifying silicone fluids designed to make the creation of water-in-silicone emulsions (or serums) simple. Along with Lotioncrafter Serum SE, serums are created and stabilized using a sodium chloride/sodium citrate buffer. This reduces interfacial tension and improves stability, as does the addition of glycerin and/or glycols (dipropylene, propylene or butylene glycol). These also contribute to increased preservative efficacy. This is a cold process emulsion, therefore if you have concerns about the quality of your water, heat and hold it at 180°F for 20 minutes and cool it to room temperature before proceeding. High shear (or stick blender) mixing is not required; mixing with a stand mixer at moderate to high speed is preferred.

Formula

	Percent	Grams	Ounces	Ingredient
Phase A	37.00	111.00	3.700	**Lotioncrafter Serum SE**
Silicone Phase	10.00	30.00	1.000	**Dipropylene Glycol**
Phase B	51.75	155.25	5.175	Distilled Water (not included in kit)
Water Phase	0.25	0.75	0.025	**Sodium Citrate**
	0.50	1.50	0.050	**Sodium Chloride (uniodized table salt)**
	0.40	1.20	0.040	**Liquid Germall Plus**
	0.10	0.30	0.010	**Tetrasodium EDTA (powder)**

1. Combine Phase A (Silicone Phase) ingredients in mixing vessel and set aside.

2. Combine all Phase B (Water Phase) ingredients and stir to dissolve.

3. Using a stand or hand mixer on moderate to high speed, begin to add Phase B ingredients to the Phase A mixing vessel in a ***very* slow** stream or trickle (slow addition is critical). Once all of the water is incorporated, continue mixing 10-15 minutes until the emulsion is smooth and uniform. The final lengthy mixing will insure a smaller, uniform droplet size of the discontinuous water phase, improving long term stability.

4. Add fragrance, if desired.

Makes 300 grams (10 oz). Ingredients in **bold** are carried by Lotioncrafter.

Note: Here at Lotioncrafter, we prefer to work in GRAMS, but if you prefer to work in OUNCES, we have provided the formula in ounces as well. We based our conversion to ounces at 30g to the ounce, rather than 28.35g so that your measurements in ounces would be simpler.

Lotioncrafter LLC 48 Hope Ln, Eastsound, WA 98245 Tel: 360-376-8008 email:
sales@lotioncrafter.com Visit us at: www.lotioncrafter.com