

From our Formulary

## Time Defy Facial Serum



**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 or the hydrolyzed oats, heat and hold it at 180°F for 20 minutes and cool it to room temperature before proceeding. High shear (stick blender) mixing is not required; mixing with a stand mixer at moderate to high speed is preferred.

**In this deluxe formulation**, allantoin is added for its soothing properties, while Tetrahexyldecyl Ascorbate (a stable form of Vitamin C) and Q-Max Coenzyme Q10 are added for their antioxidant properties. Niacinamide (Vitamin B3) and DL-Panthenol (Pro-Vitamin B5) help improve the appearance of skin tone and texture. Lotioncrafter Defense Complex is added to minimize the appearance of fine lines. This formula produces a light greaseless serum with a velvety smooth finish on the skin.

### Formula

	Percent	Grams	Ounces	Ingredient
<b>Phase A</b>	36.00	108.0	3.600	<b>Lotioncrafter Serum SE</b>
	2.00	6.0	0.200	<b>Tetrahexyldecyl Ascorbate</b>
	3.00	9.0	0.300	<b>Q-Max Coenzyme Q10</b>
	1.00	3.0	0.100	<b>Vitamin E Acetate</b>
	5.00	15.0	0.500	<b>Glycerin</b>
	5.00	15.0	0.500	<b>Butylene Glycol</b>
<b>Phase B</b>	32.70	98.1	3.270	Distilled Water
	9.00	27.0	0.900	<b>Lotioncrafter Wrinkle Defense Complex</b>
	0.20	0.6	0.020	<b>Sodium Citrate</b>
	0.40	1.2	0.040	Sodium Chloride (uniodized salt)
	3.00	9.0	0.300	<b>Niacinamide</b>
	2.00	6.0	0.200	<b>DL Panthenol</b>
	0.10	0.3	0.010	<b>Allantoin</b>
	0.10	0.3	0.010	<b>Tetrasodium EDTA (powder)</b>
	0.50	1.5	0.050	<b>Liquid Germall Plus</b>

1. Combine Phase A ingredients in mixing vessel and set aside.
2. Combine all Phase B 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 (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.

The information given and the recommendations made herein are based on our research and are believed to be accurate but no guarantee of their accuracy is made and we assume no liability regarding this formula or information contained herein. In every case we urge and recommend that our customers make their own tests to determine to their own satisfaction whether the product is suitable for their particular purposes under their own operating conditions. Nothing contained herein shall be construed to imply the nonexistence of any relevant patents or to constitute a permission, inducement or recommendation to practice any invention covered by any patent, without the authority from the owner of this patent.

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