

From our Formulary

Soothing & Clarifying 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 formulation, allantoin and hydrolyzed oats are added for their soothing properties, while Niacinamide (Vitamin B3) and DL-Panthenol (Pro-Vitamin B5) help improve the appearance of skin tone and texture. This formula produces a light greaseless serum with a velvety smooth finish on the skin.

Formula

| | Percent | Grams | Ounces | Ingredient |
|----------------|---------|--------|--------|--|
| Phase A | 37.00 | 111.00 | 3.700 | Lotioncrafter Serum SE |
| | 10.00 | 30.00 | 1.00 | Dipropylene Glycol |
| Phase B | 46.55 | 139.65 | 4.655 | Distilled Water |
| | 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) |
| | 3.00 | 9.00 | 0.300 | Niacinamide |
| | 1.00 | 3.00 | 0.100 | DL Panthenol |
| | 0.20 | 0.60 | 0.020 | Allantoin |
| | 1.00 | 3.00 | 0.100 | Hydrolyzed Oats |

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.

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