

From our Formulary

Protecting and Moisturizing 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 efficiency. This is a cold process emulsion, therefore if you have concerns about the quality of your water or the hydrolyzed oats, heat and hold at 180°F for 20 minutes and cool it to room temperature before proceeding. High shear (stick blender) mixing is not required. Mixing it with a stand mixer at moderate to high speed is preferred.

In this formulation, **N-Acetyl Glucosamine** is added to increase skin's hydration, improve the appearance of skin tone and texture, and reduce the appearance of wrinkles and fine lines. **Niacinamide** and **dl-Panthenol** further help to improve the appearance of skin tone and texture. **Allantoin** and **Hydrolyzed Oats** are added for their soothing properties, as well as the oats' film forming and moisturizing properties. 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	37.00	Lotioncrafter Serum SE
	10.00%	30.00	1.00	Propylene glycol
Phase B	41.25%	123.75	41.25	Distilled water
	4.00%	12.00	0.400	N-Acetyl Glucosamine
	2.00%	6.00	0.200	Niacinamide
	2.00%	6.00	0.200	Hydrolyzed Oats
	2.00%	6.00	0.200	dl-Panthenol
	0.50%	1.50	0.050	Liquid Germall Plus
	0.50%	1.50	0.050	Allantoin
	0.25%	0.75	0.025	Sodium citrate
	0.50%	1.50	0.050	Sodium chloride (non-iodized)

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 to 15 minutes until the emulsion is smooth and uniform. The final lengthy mixing will ensure a smaller, uniform droplet size of the discontinuous water phase, ensuring long term stability.
4. Add fragrance, if desired.

Makes 300 grams (10 ounces)

Ingredients in **bold** are carried by Lotioncrafter.

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