

Non-Emulsifier Hydrating Face Lotion

- A white and glossy face lotion with the same look of conventional lotions on the market, but lighter in texture.
- Fast absorption on skin with a fresh & hydrating after feel.

Sensogel 200 emulsifies, thickens, and stabilizes emulsions **without** using extra emulsifiers, even in **cold process**. It creates a quick-break O/W emulsion which will transfer into water when being applied.

By increasing Sensogel 200 in system with other emulsifiers, it's easy to make a spray (0.2~0.7), a lotion (0.8~1), a cream (~1.1), or butter (3-4) to obtain a desirable sensory.

Sensogel 200: 3-in-1 stable and ready-to-use associative thickener that can work as an emulsifier, a stabilizer, and thickener for a wide range of **pH (2 – 12)** in O/W sunscreen preparation with a reduced amount of emulsifiers to provide light and **quick-absorbing** sensory and a range of **textures** from sprays, lotions, creams, and butters. Also able to **thicken** 99% **Glycerin** with 1% Sensogel 200, making a water-soluble, petroleum-like viscous paste with a non-tacky sensory. It is designed for skin care, sun care and hair conditioners.

Phase	INCI Name, (Trade Name)	Wt %	Process: 1. Mix Phase A (RT) to ensure it homogenous. 2. Mix Phase B (RT) to ensure all SG is dispersed. 3. Pour phase B into phase A at RT while mixing by a propeller at 1500 rpm. Continue mixing for 15 minutes. 4. Adjust pH to 5.2~6.0.
A	Water	63.25	
	Disodium EDTA	0.05	
	Glycerin	20.0	
B	Macadamia Nut Oil	5.00	
	Caprylic Triglyceride	6.00	
	White Mineral Oil	2.00	
	Dimethicone	2.00	
	Sensogel 200	1.50	
	Phenoxyethanol	0.20	
Feature	Viscosity (cP) @ 5 rpm	31,800	pH 5.63