

## RenatuCare 625

### INCI Name:

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer & Coco-Caprylate/Caprates & Polyglyceryl-10 Laurate

### CAS Number:

111286-86-3 & 95912-86-0 & 34406-66-1

### General Information:

RenatuCare 625 is a rheological regulator, stabilizer, thickener, and emulsifier. It can expand rapidly, and gel or lotion can be prepared without neutralization or heating. This raw material can emulsify various oils, disperse pigments, and physical sunscreen agents. As an emulsifier, it can be used alone or as a co emulsifier. It is suitable for creams, lotion, creamy gel, foundation make-up, sunscreen and formulas containing polar solvents, alcohol, polyols, silicone oil, AHA or vegetable oil.

### Specification:

Item	Specification
Appearance (25°C)	Milky white or yellowish viscous liquid
pH value (25°C, 3% aqueous solution)	6.0-8.0
Viscosity (25°C, 3% aqueous solution, mPa·s)	50000-90000

\* These values indicate typical specification; they are not intended to be used as product specifications.

### Benefits:

- Swells fast and allows creating a gel or cream immediately without neutralization or heating

- Emulsifies all kinds of oil and disperses pigments and physical sunscreens
- Good moisturizing effect and good after using skin feeling.
- 70% natural ingredients, meet ISO 16128
- Conforms to global regulation in cosmetics.
- Versatility: Thickening, stability, and texture improvement

### Application:

- Face & body care
- Hair care
- Make-up
- Sunscreen products

### Formula guidelines:

**Cold process**, blend RenatuCare 625 with oil phase. Add water phase into the oil phase, mix until uniform.

**Hot process**, heat oil phase and water phase separately to 75-80°C. Add oil phase into water phase while mixing. Then add RenatuCare 625 into the emulsion at 60°C. Homogenize moderately for 15-20 minutes.

### Dosage:

Used solely: 3.0-7.0%

Used with other emulsifier: 0.3-3.0%

### Storage & Handling:

**Standard Packing:** 35kg / drum

### Storage:

- (1) Keep in cool, dry, ventilated and lightless place.
- (2) The product may be layered. Please stir it evenly before use, and the performance will not be affected.

**Shelf life:** 24 months