This light and fresh hand sanitizer with Floraesters K-20W® Jojoba is formulated to leave skin feeling hydrated without a tacky residue. The formula contains a high amount of ethanol (70%) to sanitize the hands while the unique synergy of Floraesters K-20W® Jojoba and glycerin moisturizes the skin (ref. CS09-014), leaving a silky-smooth skin feel.

### Formula Number: C039, Revision Date: January 2023

**CHARACTERISTICS**

- **pH:** 6.5 - 7.5
- **Viscosity:** 44 - 58 kCP

**PROCESS**

1. Add the Carbopol Ultrez 10 Polymer to the deionized water of Phase A at room temperature. Leave the polymer for self-wetting.
2. In a separate vessel, mix all ingredients of Phase B with moderate propeller agitation. Heat to 35-40°C. Keep mixing until the Klucel H CS Hydroxypropylcellulose and the Natrosol 250 HR CS are completely hydrated. Cool to room temperature.
3. Begin mixing Phase A with moderate propeller agitation until the Carbopol Ultrez 10 Polymer is completely hydrated. Add Phase B to Phase A at room temperature with moderate propeller agitation.
4. Add Phase C to Phase AB with moderate propeller agitation. The mixture will begin to gel.
5. In a separate vessel, mix all ingredients of Phase D before adding to Phase ABC with moderate propeller agitation.
6. Add Phase E to Phase ABCD with moderate propeller agitation to completely neutralize the Carbopol Ultrez 10 Polymer.

### THICK & CLEAR GEL HAND SANITIZER with Floraesters K-20W® Jojoba

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