



2-in-1 Glycerin Elastomer Hand Sanitizer Gel (SC-H 005(N) V3)

This is a simple, extremely functional hand sanitizer gel that does not require exotic combinations of multiple specialty ingredients.

Suitable for manufacturers looking to create high volumes of conditioning sanitizer gel with a formula that is stable and easy to scale up.

Allows formulators to take advantage of Sensogel's SPE Complex technology, which forms a dense, rich glycerin gel that supports hand sanitizer viscosity while increasing the skin conditioning power of glycerin.

Formulation flexibility - Glycerin Elastomer gel helps stabilize formulation, allowing for easier incorporation of other hero ingredients.

This updated formula contains two new PEG-free versions using Sensogel NOVUS, more suitable for clean beauty.

Contains the following Applechem products:

SENSOGEL, a sensorial rheology modifier for emulsion systems that provides a surprisingly non-tacky, "super-fresh" sensory with a quick-absorbing feature. Stable, consistent performance makes it easy to create a range of textures from sprays to butters by simply varying the usage rate. **SENSOGEL** also uses SPE Complex technology to modify the rheology of polyols like glycerin. Not only does it boost glycerin viscosity but also tamps down on the traditional stickiness associated with this effective natural skin moisturizer.

PHASE	INCI NAME (TRADE NAME)	70% EtOH USAGE (WT%)	65% EtOH USAGE (WT%)	70% EtOH USAGE (WT%)	65% EtOH USAGE (WT%)
A	Glycerin	15.0	5.00	15.0	5.00
	Sensogel 200	3.00	2.30		
	Sensogel NOVUS			3.00	2.00
	Water	12.00	27.7	11.00	27.0
	Ethanol (200 Proof)	40.0	50.0	40.0	50.0
B	Ethanol (200 Proof)	30.0	15.0	30.0	15.0
C	Sensogel NOVUS			1.00	1.00
D	Fragrance	Q.S	Q.S	Q.S	Q.S

Processing Method

1. Add the whole Phase A in the beaker without mixing. Then mix Phase A with a propeller blade (a dispersion blade for Sensogel Novus) at 1500- 1800 rpm at room temperature until gel mixture is formed.
2. Gradually add Phase B and mix until homogenous.
3. (Sensogel Novus) Add Phase C and mix until homogenous.
4. (Optional) Add Phase D and mix until homogenous.

Specifications

- 🍏 *Viscosity @ 5 rpm:*
3520 cP for 70% ethanol, SG 200
8208 cP for 65% ethanol, SG 200
3792 cP for 70% ethanol, SG NOVUS
8816 cP for 65% ethanol, SG NOVUS
- 🍏 *Clarity: Translucent*
- 🍏 *40°C oven: 1 month stable*
- 🍏 *Freeze-Thaw: Passed 3 cycles*



Note: For SC-H 005(N) V3, prototype with N is using Sensogel Novus, prototype without N is using Sensogel 200.

Create Possibilities

EDITION: MAY 2020
REF #: HS 2004-33, -42
HS 2005-21, -15