

silky touch hand sanitizer

formula Z339-71

material # 937181

claim to fame

a hydroalcoholic gel for
healthy hands



delivers a luxurious smooth
and silky skin feel



dispenses easily and
spreads quickly



refreshes skin

description

This advanced alcohol-based formula will clean hands. It provides a silky hand feel during application due to the presence of Klucel™ hydroxypropyl cellulose (HPC) with Ceraphyl™ 31 ester.

ingredients

Klucel™ H hydroxypropyl cellulose

Thickens 100% ethanol solutions without neutralization, is electrolyte stable and is derived from cellulose. Klucel™ H HPC is a high viscosity grade to provide highly efficient thickening.

Ceraphyl™ 31 ester

imparts non-oily lubricity to hydro-alcoholic products to reduce stickiness and positively enhance feel

typical properties

description: clear gel

pH: 5.0 – 6.0

viscosity (Brookfield LVT sp 63 @ 12 rpm 25°C): 4,000-6,000 cP

stability information: This formula has passed 3 months of room temperature and 5°C stability testing

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ingredients (trade name INCI)		% w/w	supplier
phase a			
ethyl alcohol	Ethyl Alcohol	73.30	
Klucel™ H CS/PC HPC	Hydroxypropylcellulose	1.10	Ashland
phase b			
deionized water	Aqua (water)	23.10	
phase c			
Ceraphyl™ 31 ester	Lauryl Lactate [and] Myristyl Lactate [and] Cetyl Lactate	1.00	Ashland
Glycerin	Glycerin	1.50	
total		100.00%	

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procedure

1. Prepare phase A by adding Klucel™ HPC to ethanol under good agitation to make a slurry.
2. Mix phase A for about 5 minutes or until all HPC is wetted and polymer is not floating on the surface of the ethanol
3. Add water (phase B) while mixing and continue mixing
4. Mix for about 45 minutes or until solution is smooth and lump-free.
5. Adjust mixing speed so that solution "turns-over"
6. Add phase C ingredients while mixing.

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