

MECELLOSE® & HECCELLOSE®

**Excellent Performance as
Thickeners For Your Hand
Sanitizer Products**

Distributed by:

MECELLOSE® & **HECELLOSE®** can provide water retention and excellent moisturizing benefits.

For hand sanitizers and cleaning gels, **MECELLOSE®** & **HECELLOSE®** provides the proper viscosity to get the high performance you are looking for in your product.

▪ Properties

- ✓ Thickening effect
- ✓ Excellent moisturizing
- ✓ Clear solution
- ✓ Good stabilization



▪ Product list for use in Hand Sanitizers and Cleaning Gels

	Grade	Viscosity(cps)	Properties
MECELLOSE®	PMB-30U	25,000 – 35,000 (2%)	Excellent moisturizing High thickening efficiency
HECELLOSE®	H200K	5,000 – 6,000 (1%)	High thickening efficiency Excellent Stability
	H100K	3,500 – 5,000 (1%)	Clear solution

▪ Guide formulation

Step	Material	Content (%)	Remarks
A	Ethyl Alcohol ¹⁾	60 ~ 80%	96% solution
	Hydrogen Peroxide	1 ~ 2%	3% solution
	Glycerin	2 ~ 3%	
B	Cellulose Thickener MECELLOSE® HECELLOSE®	0.5 ~ 2.0	
C	Distilled Water	15 ~ 25%	
-	Fragrance	Eq.	

1) Isopropyl alcohol can be used to replace of Ethyl Alcohol

▪ Procedure guide

[Step A]

- . Make a mixture of Ethyl alcohol, Hydrogen peroxide, and Glycerin
- . Make sure that glycerin was dispersed well in the mixture.

[Step B]

- . Add Cellulose thickener, **MECELLOSE®** or **HECELLOSE®**, to the mixture with stirring.

[Step C]

- . Add distilled water while stirring, and keep stirring for 20-30min more in order for proper viscosity build-up.