

**Bentonite & Kaolin Peel-off Mask No. 661**

	<b>Wt.%</b>
<b>A</b>   Water	54.40
Polyvinyl Alcohol (Selvol® Ultalux FF <sup>1</sup> )	12.00
<b>B</b>   <b>VANATURAL® MC</b> Bentonite Clay	2.50
Water	15.10
<b>C</b>   Propanediol (Zemea® Propanediol <sup>2</sup> )	5.00
Hydrolyzed Oat Protein (and) Glycerin (and) Phenoxyethanol (and)	5.00
Water (Tech-O® #6-055 LC <sup>3</sup> )	
Disodium EDTA	0.10
Aloe Barbadensis Leaf Juice (ACTIValoe® Aloe Vera Gel Qmatrix® QM	0.90
200x (Powder) <sup>4</sup> )	
Colloidal Kaolin USP/BC (Colloidal Kaolin – USP/BC 2457 <sup>5</sup> )	5.00
<b>D</b>   Preservative	q.s.

**Procedure:** Prepare Parts A, B and C separately using a propeller mixer fitted with the mixing blades for each as indicated. Sift the Polyvinyl Alcohol in Part A into ~25°C water under mixing with a propeller blade. Slowly heat while mixing to 85°C ± 3°C. Once the Polyvinyl Alcohol has dissolved, remove Part A from heat, and allow to cool with mixing. Once cooled to ~50°C, switch to a paddle blade or other means of gentle mixing and continue mixing to ~35°C. De-aerate the solution. Prepare Part B in a separate container. Slowly add the **VANATURAL® MC** to the water while agitating at maximum available shear with a prop blade. Mix until fully hydrated. Also, prepare Part C in a separate container. Using a dispersing blade, mix together the propanediol and Tech-O #6-055 LC and then dissolve the Disodium EDTA and slurry the aloe vera gel 200x. Then, add the kaolin clay while mixing and disperse thoroughly. In the final batch preparation, use the lowest shear and speed possible in order to achieve adequate mixing while controlling the incorporation of air, such as a propeller mixer fitted with a paddle blade. Transfer Part B to the final batch vessel and then under mixing add Part C until thoroughly combined. Continue mixing, then add Part A in small increments and mix completely after each. Lastly, add the preservative, Part D while mixing until fully incorporated.

**RAW MATERIAL SUPPLIERS**
<sup>1</sup>Sekisui Specialty Chemicals America, LLC, Dallas, TX

<sup>2</sup>DuPont Tate & Lyle Bio Products Company, LLC, Wilmington, DE

<sup>3</sup>Beacon CMP Corp., Kenilworth, NJ

<sup>4</sup>Aloecorp, Inc., Lyford, TX

<sup>5</sup>Brenntag Specialties, Inc., South Plainfield, NJ

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