## **Environmental and Blue Light Protection Lotion No. 641**

Α	VEEGUM® Ultra Magnesium Aluminum Silicate VANZAN® NF Xanthan Gum Water Avena Sativa (Oat) Kernel Extract (and) Glycerin (and) Phenoxyethanol (Tech-O® #6-090 L¹) Propanediol (Zemea® Propanediol²) PEG-20 Methyl Glucose Sesquistearate (Glucamate® SSE-20 Emulsifier³)	Wt.% 2.50 0.50 79.00 2.00 5.00 2.00
В	Methyl Glucose Sesquistearate (Glucate® SS Emulsifier³) Caprylic/Capric Triglyceride (Neobee® M-5⁴) Tocopherol (Covi-ox® T-50 C⁵) Cetearyl Alcohol (TA-1618, Fatty Alcohol6)	2.00 2.00 0.50 2.50
С	Preservative Glycerin (and) Marrubium Vulgare Extract (Citystem®7) Citric Acid, 20%	q.s. 2.00 q.s.

**Procedure:** While heating the water to 60-65°C, slowly add the **VEEGUM®** *Ultra* and **VANZAN® NF** sequentially or as a dry blend to the water agitated at maximum available shear. Mix until fully hydrated. Then, add the rest of the Part A ingredients and mix well after each. Maintain the water phase at 60-65°C. Combine the Part B ingredients (oil phase) and heat to 60-65°C. Add the oil phase to the water phase with good agitation; mix until uniform. Avoid incorporating air. Cool with mixing to <30°C, then add the preservative. Check the pH of the batch both prior to and after the incorporation of the Citystem. If necessary, adjust the pH to 5.0 (± 0.25) with citric acid, each time.

## **RAW MATERIAL SUPPLIERS**

<sup>1</sup>Beacon CMP Corporation, Kenilworth, NJ <sup>2</sup>DuPont Tate & Lyle Bio Products Company, LLC, Wilmington, DE

## **TRADEMARKS**

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Rev09/17/18

<sup>&</sup>lt;sup>3</sup>Lubrizol Advanced Materials, Inc., Cleveland, OH

<sup>&</sup>lt;sup>4</sup>Stepan Company, Northfield, IL

<sup>&</sup>lt;sup>5</sup>BASF Corporation, Florham Park, NJ

<sup>&</sup>lt;sup>6</sup>Peter Cremer, Cincinnati, OH

<sup>&</sup>lt;sup>7</sup>Croda, Inc., Edison, NJ