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Environmental and Blue Light Protection Lotion for Wipes No. 640

	VV1.70
VEEGUM [®] Ultra Magnesium Aluminum Silicate	2.00
VANZAN [®] NF Xanthan Gum	0.50
Water	82.00
Avena Sativa (Oat) Kernel Extract (and) Glycerin (and) Phenoxyethanol (Tech-O [®] #6-090 L ¹)	2.00
Propanediol (Zemea [®] Propanediol ²)	5.00
PEG-20 Methyl Glucose Sesquistearate (Glucamate [®] SSE-20 Emulsifier ³)	1.00
Methyl Glucose Sesquistearate (Glucate [®] SS Emulsifier ³)	1.00
Caprylic/Capric Triglyceride (Neobee [®] M-5 ⁴)	2.00
	0.50
Cetearyl Alcohol (TA-1618, Fatty Alcohol ⁶)	2.00
Preservative	q.s.
Glycerin (and) Marrubium Vulgare Extract (Citystem ^{®7})	2.00
Citric Acid, 20%	q.s.
	 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) Methyl Glucose Sesquistearate (Glucate[®] SS Emulsifier³) Caprylic/Capric Triglyceride (Neobee[®] M-5⁴) Tocopherol (Covi-ox[®] T-50 C⁵) Cetearyl Alcohol (TA-1618, Fatty Alcohol⁶) Preservative Glycerin (and) Marrubium Vulgare Extract (Citystem^{®7})

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 (\pm 0.25) with the citric acid, each time.

RAW MATERIAL SUPPLIERS	TRADEMARKS
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² DuPont Tate & Lyle Bio Products Company, LLC,	Citystem is a registered trademark of Sederma SAS France.
Wilmington, DE	Covi-ox is a registered trademark of Cognis Corporation.
³ Lubrizol Advanced Materials, Inc., Cleveland, OH	Glucamate and Glucate are registered trademarks of Lubrizol Advanced Materials, Inc.
⁴ Stepan Company, Northfield, IL	Neobee is a registered trademark of Stepan Company.
⁵ BASF Corporation, Florham Park, NJ	Tech-O is a registered trademark of Beacon CMP Corporation.
⁶ Peter Cremer, Cincinnati, OH	Zemea is a registered trademark of DuPont Tate & Lyle Bio Products Company, LLC.
⁷ Croda, Inc., Edison, NJ	
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