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# VANDERBILT

## *Technical Data*

## **Moisturizing Lotion with Hydractin<sup>®</sup> No. 551**

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## Moisturizing Lotion with Hydractin® No. 551

A synergistic mixture of **VEEGUM**® and **VANZAN**® NF is used to create a fluid facial lotion that is easy to spread and has a subtle cooling effect. **VEEGUM** reduces tack, improves stability, and helps maintain the viscosity of the lotion. Hydractin is a unique cosmetic ingredient that increases skin moisture and reduces trans-epidermal water loss. It thereby provides both short-term and long-term moisturization.

Ingredients	% by weight
<b>A</b>   Water	87.80
<b>VEEGUM</b> (Magnesium Aluminum Silicate)	2.00
<b>VANZAN NF</b> (Xanthan Gum)	1.00
<b>B</b>   Coco-Caprylate/Caprata (Cetiol® LC) <sup>1</sup>	5.00
DEA-Oleth-3 Phosphate (Crodofos® N-3 Neutral) <sup>2</sup>	1.00
<b>C</b>   Water (and) Glycerin (and) Disodium Adenosine Triphosphate   (and) Algin (and) Carica (Papaya) Fruit Extract (Hydractin) <sup>3</sup>	3.00
<b>D</b>   Acacia Senegal Gum (and) Menthol (Spray Dried Menthol) <sup>4</sup>	0.20
<b>E</b>   Preservative	q.s.

<sup>1</sup>Cognis Corporation, Ambler, PA

<sup>2</sup>Croda, Inc., Parsippany, NJ

<sup>3</sup>RAHN AG, Zurich, Switzerland

<sup>4</sup>Haarman & Reimer, Teterboro, N.J.

### Procedure:

**Step 1.** Dry blend the **VEEGUM** and **VANZAN NF** and sift (or add sequentially) into an established vortex in the water. Mix at maximum available shear until fully hydrated.\*

**Step 2.** Pre-mix components of Part B and add to Part A. Mix thoroughly under maximum available shear.

**Step 3.** Add Part C and mix under maximum available shear until homogeneous.

**Step 4.** Reduce speed, add Part D and mix slowly until homogeneous.

**Step 5.** Add Part E and mix until homogeneous.

**Formula Characteristics:** Initial pH: 6.7

This formula passed three (3) months of laboratory stability testing at room temperature, 5°C, 38°C, 45°C and 3 cycle freeze/thaw.

\*Refer to the **VEEGUM/VAN GEL**® Brochure for hydration guidelines.

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