

**Intensive AHA Moisturizing Cream No. 484**

|          | <b>Wt.%</b>  |
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| <b>A</b> | <b>VEEGUM<sup>®</sup> Ultra</b> Magnesium Aluminum Silicate 1.5                    |
|          | <b>VANZAN<sup>®</sup> NF</b> Xanthan Gum 0.3                                       |
|          | Water 56.6   |
| <b>B</b> | Glycerin 3.4   |
|          | Butylene Glycol 2.0  |
| <b>C</b> | Cetyl Alcohol 0.5  |
|          | Glyceryl Monostearate SE 3.0   |
|          | Petrolatum 10.0  |
|          | Mineral Oil 2.0  |
|          | Caprylic/Capric Triglyceride (Neobee <sup>®</sup> M-5 <sup>1</sup> ) 3.0           |
|          | C12-15 Octanoate (Finester <sup>™</sup> EH-25 <sup>2</sup> ) 2.0                   |
|          | Dimethicone (XIAMETER <sup>®</sup> PMX-200 Silicone Fluid 350cs <sup>3</sup> ) 1.0 |
|          | Steareth-2 (Brij <sup>®</sup> S2 <sup>4</sup> ) 1.5                                |
|          | Steareth-21 (Brij <sup>®</sup> S721 <sup>4</sup> ) 1.5                             |
|          | Isosorbide Laurate 0.5   |
| <b>D</b> | Lactic Acid USP, 88% 2.6   |
|          | Sodium Lactate (PATLAC <sup>™</sup> NAL <sup>5</sup> ) 2.6                         |
|          | Glycolic Acid, 70% 3.0   |
|          | Triethanolamine (to pH 3.75 ± 0.25) 3.0  |
| <b>E</b> | Preservative, Fragrance q.s.   |

**Procedure:** While heating the water to 80°C, slowly add the **VEEGUM<sup>®</sup> Ultra** and **VANZAN<sup>®</sup> NF** sequentially or as a dry blend to the water agitated at maximum available shear. Mix until fully hydrated. Add the remaining water phase ingredients from Part B, mixing until uniform. Maintain the water phase at 80°C. Blend the Part C oil phase ingredients and heat to 80°C. Add the oil phase to the water phase with good agitation; mix until uniform. Cool while mixing. Add the Part D and Part E ingredients when the emulsion is <40°C. Adjust as necessary to pH 3.75 ± 0.25.

**RAW MATERIAL SUPPLIERS**
<sup>1</sup>Stepan Company, Northfield, IL

<sup>2</sup>Innospec Active Chemicals, Edison, NJ

<sup>3</sup>Dow Corning Corporation, Midland, MI

<sup>4</sup>Croda Inc., Edison, NJ

<sup>5</sup>RITA Corporation, Crystal Lake, IL

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