Physical, Chemical UV Protection Cream No. 514

<table>
<thead>
<tr>
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<th>Wt.%</th>
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<tbody>
<tr>
<td><strong>A</strong></td>
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<tr>
<td>VEEGUM® Ultra Magnesium Aluminum Silicate</td>
<td>2.0</td>
</tr>
<tr>
<td>Carbomer (Ultraz™ 10¹)</td>
<td>0.2</td>
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<tr>
<td>Water</td>
<td>51.4</td>
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<tr>
<th><strong>B</strong></th>
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<tbody>
<tr>
<td>Polysorbate 20 (Tween® 20²)</td>
<td>1.0</td>
<td></td>
</tr>
<tr>
<td>Aqua (and) Titanium Dioxide (and) Alumina (and) Silica (and) Sodium</td>
<td>12.5</td>
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<tr>
<td>Polyacrylate (and) Propylene Glycol (and) Diazolidinyl Urea (and) Methyl Paraben (and) Propyl Paraben (Tioveil® AQ-G²)</td>
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<tr>
<td>Butylene Glycol</td>
<td>3.0</td>
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<th><strong>C</strong></th>
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<tbody>
<tr>
<td>Cetyl Alcohol</td>
<td>0.5</td>
</tr>
<tr>
<td>Isosorbide Laurate</td>
<td>1.0</td>
</tr>
<tr>
<td>Caprylic/Capric Triglyceride (Neobee® M-5³)</td>
<td>5.0</td>
</tr>
<tr>
<td>Glyceryl Monostearate SE</td>
<td>3.0</td>
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<tr>
<td>C12-15 Octanoate (Finester™ EH-25⁴)</td>
<td>3.0</td>
</tr>
<tr>
<td>Octylmethoxycinnamate (Parsol® MCX⁵)</td>
<td>7.0</td>
</tr>
<tr>
<td>Avobenzone (Parsol® 1789⁶)</td>
<td>2.0</td>
</tr>
<tr>
<td>Octyl Salicylate (Dermoblock™ OS⁶)</td>
<td>3.0</td>
</tr>
<tr>
<td>Dimethicone (Xiameter® PMX-200 Silicone Fluid 350cs⁷)</td>
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<tr>
<td>Laureth-23 (Brij® L23⁸)</td>
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<tr>
<td>Steareth-2 (Brij® S2⁹)</td>
<td>1.9</td>
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<tr>
<td>Steareth-21 (Brij® S721²)</td>
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<tr>
<th><strong>D</strong></th>
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<tr>
<td>Etidronic Acid</td>
<td>0.1</td>
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<tr>
<td>Triethanolamine (to pH 6.0±0.5)</td>
<td>q.s.</td>
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<tr>
<td>Preservative, Fragrance</td>
<td>q.s.</td>
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**Procedure:** Begin heating the water phase to 80°C. Slowly add the VEEGUM® Ultra and carbomer sequentially or as a dry blend to the water agitated at maximum available shear. Mix until fully hydrated. Add the water phase ingredients from Part B, mixing until uniform. Maintain the water phase at 80°C. Blend the oil phase ingredients of Part C and heat to 80°C. Add the oil phase to the water phase with high shear mixing. Mix at reduced speed while cooling to 45°C and then add Part D followed by Part E. Adjust as necessary to pH 6.0 ± 0.5.

**Note:** The combination of TiO2 and Avobenzone is not approved for use in the USA.