

# Formulation

|             |   |  |
|-------------|---|--|
| Name        | <b>2-IN-1 INTENSIVE HYDRATION CREAM</b>   |  |
| No.         | 1621  |  |
| Description | To support the needs of sensitive and dry skin, this formula promotes deep hydration, with a velvety feel and is silicone-free due to STEPAN-MILD® GCC and STEPAN-MILD® L3, providing a feeling of relief and care for hands and feet.  |  |
| Formulation | <b>INGREDIENTS:</b>   | <b><u>% by Weight</u>   <u>Functionality</u></b> |
|             | === Phase 1 ===   |  |
|             | Deionized Water   | 73.10 Solvent                                    |
|             | Disodium EDTA   | 0.05 Chelating Agent                             |
|             | Glycerin  | 5.00 Humectant                                   |
|             | Niacinamide   | 2.00 Conditioning Agent                          |
|             | === Phase 2 ===   |  |
|             | Carbopol® 940 (Lubrizonl)   | 0.30 Rheology Modifier                           |
|             | === Phase 3 ===   |  |
|             | Ceteareth-20  | 3.00 Emulsifier                                  |
|             | Cetearyl Alcohol  | 5.00 Structurant                                 |
|             | Prunus Amygdalus Dulcis (Sweet Almond) Oil  | 2.00 Emollient                                   |
|             | STEPAN-MILD® GCC  | 2.00 Emollient                                   |
|             | STEPAN-MILD® L3   | 3.00 Emollient                                   |
|             | === Phase 4 ===   |  |
|             | Microcare® PHDG (Thor)  | 0.80 Preservative                                |
|             | Hyaluronic Acid (1% solution)   | 1.00 Active                                      |
|             | TAPIOCA™ PURE Starch (Nouryon)  | 2.00 Skin Feel Enhancer                          |
|             | Biosensi (FAV 105)  | 0.75 Fragrance                                   |
|             | === Phase 5 ===   |  |
|             | Sodium Hydroxide (10% solution)   | q.s. pH Adjuster                                 |
|             | <b>Total</b>  | <b>100.00</b>                                    |
| Procedure   | <ol style="list-style-type: none"> <li>1. In a main container, add the Deionized Water, Disodium EDTA, Glycerin, Niacinamide and mix to homogenize. Start heating up to 80°C (176°F).</li> <li>2. Under vortex, pulverize the Carbopol® 940 into the main container under mixing and homogenize. Keep heating and stirring until completely homogenized.</li> <li>3. In an auxiliary container, add the Ceteareth-20, Cetearyl Alcohol, Prunus Amygdalus Dulcis (Sweet Almond) Oil, STEPAN-MILD® L3, STEPAN-MILD® GCC and heat up to 80°C (176°F).</li> <li>4. Pour the mixture from the auxiliary container into the main container under vortex. Maintain rotation and heat for 15 minutes. Start cooling to 35°C (95°F) under medium mixing speed.</li> <li>5. Add the Microcare® PHDG, Hyaluronic Acid (1% solution), TAPIOCA™ PURE Starch and Biosensi (Fragrance) individually into the main container, homogenizing after each addition.</li> <li>6. Adjust pH with Sodium Hydroxide (10% solution) to 4.5 - 5.5.</li> </ol> |  |
| Physical    | Appearance, as is   | White emulsion                                   |

|  |   |                                    |
|--|---|------------------------------------|
| Properties                                       | pH, as is<br>Viscosity at 25°C, cps (Brookfield LVDV, spindle 64, 12rpm, 1 minute)  | 4.5 - 5.5<br>15,000 - 30,000       |
| Storage/<br>Stability                            | 12 weeks at 5°C<br>12 weeks at 25°C<br>12 weeks at 45°C<br>Freeze/Thaw, 3 cycles  | Stable<br>Stable<br>Stable<br>Pass |
| Instructions<br>for Use                          | Apply appropriate quantity of product into dry skin. Rub until absorbed completely.   |                                    |
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