## THERMAL GLOW HAIR SERUM

**Thermal Glow Hair Serum** is a silicone-free hair serum that combines Versagel® ML with natural oils for a light and luxurious hair serum with a subtle refreshing fragrance. This treatment is designed to provide heat protection up to 450°F.

## **Procedure:**

- 1. Add Phase 1 ingredients sequentially then heat to less than 70°C with gentle stirring.
- 2. Add Phase 2 ingredients sequentially while maintaining heat to less than 70°C with gentle stirring.
- 3. Cool to 40 °C with continued gentle stirring then add Phase 3 ingredients sequentially.

## Formulation:

| Phase | Ingredient                                    | INCI Nomenclature  | Function  | W/W%  |
|-------|---|--|---|-------|
| 1     | <b>Versagel ML750T</b> (105,000 cPs at 25 °C) | C12-C15 Alkyl Benzoate (and) Ethylene/Propylene/Styrene Copolymer (and) Butylene/Ethylene/Styrene Copolymer/ Pentaerythrityl Tetradi-t-butyl Hydroxyhydrocinnamate | Structurant/rheology<br>modifier                                | 5.00  |
| 1     | Panalane L2E                                  | Hydrogenated Polyisobutene   | Silicone substitute, heat protectant, friction reducer, shine   | 62.25 |
| 2     | Sunflower Oil                                 | Helianthus Annuus (Sunflower)<br>Seed Oil  | Emollient   | 10.00 |
| 2     | Sweet Almond Oil                              | Prunus Amygdalus Dulcis (Sweet Almond) Oil   | Emollient   | 10.00 |
| 2     | Crodabond CSA                                 | Hydrogenated Castor Oil/Sebacic Acid Copolymer   | Cuticle sealant   | 2.50  |
| 2     | PhytoVie Defense                              | Brassica Campestris/Aleurites<br>Fordi Oil Copolymer   | Heat protectant,<br>strengthen, damage<br>repair, shine         | 1.50  |
| 2     | MeadowEstolide                                | Meadowfoam Estolide  | Moisture retention,<br>elasticity restorer,<br>friction reducer | 7.50  |
| 3     | Vitamin E                                     | Tocopheryl Acetate   | Antioxidant   | 0.50  |
| 3     | Fragrance: Coral Reef                         | Fragrance  | Fragrance   | 0.75  |

<sup>\*</sup>Products in **bold** are supplied by Calumet Specialty Products Partners, L.P.

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