

## 22032 – Hair Oil Moisturiser

| Ingredient            | INCI  | Function     | Weight Percent |
|-----------------------|---|--------------|----------------|
| <b>Phase A</b>        |   |              |                |
| Deionised Water       | Aqua  | Diluent      | 60.7           |
| Sodium Chloride       | Sodium Chloride   | Stabiliser   | 2.0            |
| Glycerine             | Glycerin  | Humectant    | 2.0            |
| <b>Phase B</b>        |   |              |                |
| JBC Emulsifier Base 2 | Hydroxyethyl-diethonium Polyisobutanyl Triethylaminosuccinate; Isoparaffin; Linear and Isomeric Alcohol; Polyisobutene; Sorbitan Monooleate | Emulsifier   | 3.0            |
| Mineral Oil           | Paraffinum Liquidum   | Emollient    | 19.0           |
| JBC W300              | Synthetic Wax   | Emollient    | 2.0            |
| JBC W400              | Synthetic Wax   | Emollient    | 5.0            |
| Dowasil™ 200/350      | Dimethicone   | Emollient    | 1.0            |
| Varisoft® EQ100       | Bis-(Isostearoyl / Oleoyl Isopropyl) Dimonium Methosulfate  | Conditioning | 2.0            |
| ABIL® ME45 MB         | Silicone Quaternium-22; Polyglyceryl-3 Caprate; Dipropylene Glycol; Cocamidopropyl Betaine  | Conditioning | 1.0            |
| <b>Phase C</b>        |   |              |                |
| Euxyl PE9010          | Phenoxyethanol (and) Ethylhexylglycerin   | Preservative | 0.8            |
| Luviquat® UltraCare   | Polyquaternium-44   | Film Former  | 1.0            |
| <b>Phase D</b>        |   |              |                |
| Fragrance             | Fragrance   | Fragrance    | 0.5            |

### Procedure

1. Add phase A into a beaker and heat to 70°C
2. Add phase B into a separate beaker and heat to 75°C
3. Ensure phase B is below 80°C and then add phase C to phase B
4. Under high shear add 30% of phase A to phase B, ensure emulsion inversion occurs
5. Add balance of phase A and continue to homogenise until white lotion forms.
6. Ensure phase A is completely emulsified
7. Cool to below 55°C and add fragrance if required
8. Homogenise once more

