

## Balancing Rissen 2in1 Shampoo

A highly effective conditioning shampoo that provides targeted conditioning to damaged areas of the hair. It reduces combing force and leaves the hair noticeably smoother and more manageable.

| 2in1 shampoo – creamy conditioning shampoo 26-001-R1-06 |                       |                                                                                              |                   |       |
|---------------------------------------------------------|-----------------------|----------------------------------------------------------------------------------------------|-------------------|-------|
| PHASE                                                   | TRADE NAME            | INCI NAME                                                                                    | SUPPLIER          | % W/W |
| A                                                       | Water                 | Aqua                                                                                         | -                 | 62.30 |
| A                                                       | Potassium Sorbate     | Potassium Sorbate                                                                            | Tilge Robert E.M. | 0.20  |
| A                                                       | Texapon® N 70         | Sodium Laureth Sulfate                                                                       | Evonik            | 14.00 |
| A                                                       | Dehyton® K            | Cocamidopropyl Betaine                                                                       | Evonik            | 14.00 |
| B                                                       | Lanette® 16           | Cetyl Alcohol                                                                                | BTC               | 1.00  |
| B                                                       | Tegin® G 1100         | Glycol Distearate                                                                            | BTC               | 1.50  |
| B                                                       | Citropol® H           | Polycitronellol                                                                              | BTC               | 0.50  |
| C                                                       | Amylomer™ Care Fusion | Hydroxypropyl Oxidized Starch PG Trimonium Chloride; Starch Hydroxypropyl Trimonium Chloride | Gräfe Chemie      | 2.00  |
| C                                                       | dermosoft® OMP        | Methylpropanediol; Caprylyl Glycol; Phenylpropanol                                           | Evonik            | 4.00  |
| D                                                       | Citric Acid           | Citric Acid                                                                                  | Carl Roth         | q. s. |
| D                                                       | Sodium Chloride       | Sodium Chloride                                                                              | Carl Roth         | 0.50  |

## Processing

1. Use warm water of approx. 60 °C and dissolve ingredients of phase A in given order.
2. Melt ingredients of phase B at approx. 70°C and add to phase A using high force stirring.
3. Cool down to approx. 40 °C under low force stirring and add ingredients of phase C.
4. Adjust pH with phase D.

- appearance: white, creamy emulsion-like shampoo
- pH-value: 5.2 – 5.4
- viscosity: ~12,000 mPa\*s (Lamy RV, Spindel 4, 10 rpm, 1 °C)
- stability: proven (3 months at room temperature, 4 °C and 40 °C)
- microbiological challenge test: passed