

## W/O Liquid Foundation ELDLL-1089

A high-NOI liquid foundation with semi-matte finish. Formulating **ELDEW™ PS-203R** and **AMIHOPE™ SB-103** in a specific ratio achieves both a natural gloss and coverage. **Oil gelling agents GP-1** and **EB-21** enhance emulsion stability.

|       | Trade name                  | INCI Name                                                      | wt %        | Function                       |
|-------|-----------------------------|----------------------------------------------------------------|-------------|--------------------------------|
| A     | Parafol-12 *1               | Dodecane                                                       | 9.0         | Emollient                      |
|       | NIKKOL Jojoba Oil S *2      | Simmondsia Chinensis (Jojoba) Seed Oil                         | 6.0         | Emollient                      |
|       | <b>GP-1</b>                 | <b>Dibutyl Lauroyl Glutamide</b>                               | <b>0.18</b> | Viscosity modifier             |
|       | <b>EB-21</b>                | <b>Dibutyl Ethylhexanoyl Glutamide</b>                         | <b>0.12</b> | Viscosity modifier             |
|       | Rheoparl KL2 *3             | Dextrin Palmitate                                              | 0.02        | Viscosity modifier             |
|       | KF-7312K *4                 | Trimethylsiloxysilicate                                        | 2.0         | Film forming agent             |
|       | KF-6105 *4                  | Lauryl Polyglyceryl-3<br>Polydimethylsiloxyethyl Dimethicone   | 3.0         | Emulsifier                     |
|       | KSG-210 *4                  | Dimethicone/PEG-10/15 Crosspolymer,<br>Dimethicone             | 3.0         | Viscosity modifier             |
|       | Benton gel ISD V *5         | Isododecane, Disteardimonium Hectorite,<br>Propylene Carbonate | 6.5         | Viscosity modifier             |
| B     | KF-6105 *4                  | Lauryl Polyglyceryl-3<br>Polydimethylsiloxyethyl Dimethicone   | 2.5         | Emulsifier                     |
|       | <b>ELDEW™ PS-203R</b>       | <b>Phytosteryl/Octyldodecyl Lauroyl<br/>Glutamate</b>          | <b>3.0</b>  | Sensory improver<br>Dispersant |
|       | OTS TiO2 CR-50 *6           | Titanium Dioxide, Aluminum Hydroxide,<br>Triethoxycaprylsilane | 8.0         | Pigment                        |
|       | OTS Yellow LLXO *6          | Iron Oxide, Triethoxycaprylsilane                              | 1.4         | Pigment                        |
|       | OTS Red R-516-L *6          | Iron Oxide, Triethoxycaprylsilane                              | 0.2         | Pigment                        |
|       | OTS Black BL-100 *6         | Iron Oxide, Triethoxycaprylsilane                              | 0.1         | Pigment                        |
| C     | Glycerin *7                 | Glycerin                                                       | 6.0         | Humectant                      |
|       | Zemea Select Propanediol *8 | Propanediol                                                    | 6.0         | Humectant                      |
|       | Sorbitol *7                 | Sorbitol                                                       | 1.0         | Humectant                      |
|       | Sodium citrate (10% aq.)    | Sodium Citrate, Water                                          | 2.0         | pH modifier                    |
|       | Citric acid (10% aq.)       | Citric Acid, Water                                             | 1.0         | pH modifier                    |
|       | Preservative                | Preservative                                                   | q.s.        | Preservative                   |
|       | Water                       | Water                                                          | Balance     | Solvent                        |
| D     | <b>AMIHOPE™ SB-103</b>      | <b>Tapioca Starch, Lauroyl Lysine</b>                          | <b>6.0</b>  | Sensory improver               |
| Total |                             |                                                                | 100.0       |                                |

\*1 Sasol, \*2 Nikko Chemicals, \*3 Chiba Flour Milling, \*4 Shin-Etsu chemical, \*5 Elementis,  
\*6 Daito Kasei Industries, \*7 Kao, \*8 Dupont

### <PROCEDURE>

- Mix part A uniformly at 75°C.
- Mix part B uniformly at r.t. and disperse with a roller mill. (3 times)
- Add part B into part A and mix with a homogenizing mixer at 75°C (3,000 rpm, 5 min).
- Mix part C uniformly at 75°C.
- With adding part C into part (A+B) gradually, mix part (A+B+C) with a homogenizing mixer at 75°C (4,000 rpm, 5min).
- Cool down to 45°C and add part D, mix part (A+B+C+D) with a homogenizing mixer.
- Cool further to room temperature.



### <PHYSICAL PROPERTIES and STABILITY>

Appearance: Milky cream Viscosity: 10,000~20,000 mPa·s (B type, No.4, 12 rpm, 30 sec.)

Stability: 5 °C, 25 °C, 40°C, 50°C, Cycle(0~45°C), 1 Month

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