

LIQUID FOUNDATION <Cream> SSF-E

Liquid foundation containing **PRODEW™ 700** provides the beautiful finish and long-lasting effect of make-up by skin care benefit and enhancement of make-up properties.

| | Trade name | INCI Name | wt% | Function |
|--------------|--------------------------|---|--------------|---|
| A | XIAMETER PMX 200 2CST *1 | Dimethicone | 10.0 | Solvent |
| | ELEFAC I-205 *2 | Octyldodecyl Neopentanoate | 4.0 | Emollient |
| | CITHROL™ PG23IS *3 | Polyglyceryl-2 Triisostearate | 4.0 | Emollient |
| | PARSOL MCX *4 | Ethylhexyl Methoxycinnamate | 4.0 | UV absorber |
| | AEROSIL R 202 *5 | Silica Dimethicone Silylate | 3.0 | Oil thickener |
| | KAK-99 *6 | Isononyl Isononanoate | 3.0 | Emollient |
| | KAK DIOS *6 | Diethylhexyl Succinate | 2.0 | Emollient |
| | KF-6038 *7 | Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone | 2.0 | Emulsifier |
| | TEGO Alkanol L 4 *5 | Laureth-4 | 1.0 | Emulsifier |
| | ABIL EM 90 *5 | Cetyl PEG/PPG-10/1 Dimethicone | 1.0 | Emulsifier |
| | SALACOS WO-6 *8 | Dipentaerythryl Tri-Polyhydroxystearate | 1.0 | Emollient |
| B | ZNO-C-DMC2 *9 | Zinc Oxide, Hydrogen Dimethicone | 3.7 | UV scatter |
| | SYMPHOLIGHT WO SDM *10 | Titanium Dioxide, Alumina, Silica, Dimethicone | 7.0 | White pigment |
| | SYMPHOLIGHT YO SDM *10 | Iron Oxide (Yellow), Silica, Dimethicone | 1.0 | Pigment |
| | SYMPHOLIGHT RO SDM *10 | Iron Oxide (Red), Silica, Dimethicone | 0.2 | Pigment |
| | SYMPHOLIGHT BO SDM *10 | Iron Oxide (Black), Silica, Dimethicone | 0.1 | Pigment |
| | KSP-300 *7 | Diphenyl Dimethicone/Vinyl Diphenyl Dimethicone/Silsesquioxane Crosspolymer | 1.0 | Sensory modifier |
| C | PRODEW™ 700 (50%) | Sodium PCA, Sodium Polyaspartate, Butylene Glycol, Betaine, Zinc PCA, Sodium Citrate, Arginine, Serine, Lysine HCl, Glutamic Acid, Water | 2.0 | Skin conditioning, Moisturizer, Sebum control, Adhesion improver |
| | BUTYLENE GLYCOL | Butylene Glycol | 2.0 | Moisturizer |
| | ACTIQUE™ HYAL 1% *11 | Sodium Hyaluronate (1%), Water | 10.0 | Sensory modifier |
| | WATER | Aqua | 38.0 | Solvent |
| | PRESERVATIVE | Preservative | q.s. | Preservative |
| Total | | | 100.0 | |

*1 Dow, *2 Alzo, *3 Croda, *4 DSM, *5 Evonik, *6 HAI, *7 Shin-Etsu, *8 Nisshin Oillio, *9 Kobo, *10 JGC Catalyst, *11 Jarchem.

<PROCEDURE> *for less than 300 g

1. Mix Part B using a lab mixer (20 sec x 5 times) at room temperature in advance.
2. Mix Part A uniformly at 80°C.
3. Add Part B into Part A and mix Part (A+B) with a homogenizing mixer (5,000 rpm) at 80°C,
4. Mix part C uniformly at 80°C.
5. While mixing Part (A+B) with the homogenizing mixer, gradually add Part C (80°C) into Part (A+B) over 5 mins and mix the final mixture further for 3~5 mins.
6. Stop heating the mixture.
7. Cool down by stirring with a paddle mixer (150 rpm) at room temperature.
8. Defoam.

<PHYSICAL PROPERTIES and STABILITY>

Appearance: Beige, Cream

Viscosity: 250,000 mPa·s (Spindle #3, at 0.3rpm)

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



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