



KLF-322-EU

D5-Free Non-Transfer Foundation with ASGPs

%	INGREDIENT	INCI NAME	SUPPLIER
Part 1			
14.00	BRB DM 2	Dimethicone	BRB International BV
11.00	KOBOGUARD® MQ75ETS	Trimethylsiloxysilicate (And) Ethyl Trisiloxane	Kobo Products
11.00	BTD-ASGP3	Titanium Dioxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
10.00	Purolan® IDD	Isododecane	Lanxess
3.00	KSG-820	Lauryl Dimethicone Polyglycerin-3 Crosspolymer (And) Isododecane	Shin-Etsu
3.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxethyl Dimethicone	Shin-Etsu
2.05	BWYO-ASGP3	Iron Oxides (CI 77492) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
1.80	Garamite 7308 XR	Quaternium 90 Sepiolite & Quaternium 90 Montmorillonite	Eckart/BYK
0.60	BWRO-ASGP3	Iron Oxides (CI 77491) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
0.35	BWBO-ASGP3	Iron Oxides (CI 77499) (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	Kobo Products
Part 2			
32.00	Deionized Water	Water	
5.00	Butylene Glycol	Butylene Glycol	Univar
1.20	Mg Sulfate Hept	Magnesium Sulphate Heptahydrate	Fisher Scientific
1.00	SymDiol® 68	1,2 Hexanediol (and) Caprylyl Glycol	Symrise
Part 3			
2.00	MSS-500/N	Silica	Kobo Products
2.00	CELLULOBEADS D-5-ASG3	Cellulose (And) Stearoyl Glutamic Acid	Kobo Products
100.00			

Description:

A full coverage, D5-free and non-transfer w/si foundation featuring the superdispersible ASGP treated pigments. Cyclopentasiloxane has been the number one choice of volatile emollient for non-transfer foundation formulations. Today, due to environmental concerns, there is a desire to formulate with alternatives without having to compromise on the sensory properties of formulas achieved with D5. This formula uses 2 cSt Dimethicone and Isododecane, which are popular alternatives providing quick drying. The ASGP treated pigments disperse extremely easily and quickly in these emollients, using much lower levels of energy than would be usually required. The formulation is rendered non-transfer by the use of KOBOGUARD® MQ75ETS. A high level of film formers could cause tackiness which has normally been mitigated against by the use of PMSQ powders, which today fall into the microplastic category. This formulation uses a combination of MSS-500/N and CELLULOBEADS D-5-ASG3 to provide softness and creaminess and reduce tack.

Manufacturing Procedure:

1. Combine Part 1, by first dispersing the powders in emollients and adding the emulsifiers and other ingredients.
2. Prepare Part 2.
3. Add Part 2 to Part 1 under prop stirrer, 1000 rpm.
4. Homogenize for a minute at 2000-3000 rpm and move the beaker back to the prop stirrer and add the powders of Part 3.



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FORMULATIONS

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