



KSL-462A-EU

# Ultra Light Daily UV Defense - Sheer Tint



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
22.00	<b>TNP65MZS</b>	Zinc Oxide (And) C12-15 Alkyl Benzoate (And) Polyhydroxystearic Acid (And) Triethoxycaprylsilane	<b>Kobo Products</b>
18.00	<b>NHP55STS</b>	Titanium Dioxide (And) C13-15 Alkane (And) Stearic Acid (And) Aluminum Hydroxide (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
10.41	Purolan IDD	Isododecane	Lanxess
8.00	Dub Zenoat	Propanediol Dicaprylate	Stearinerie Dubois
4.00	<b>KOBOGUARD® MQ60DM</b>	Trimethylsiloxysilicate (And) Dimethicone	<b>Kobo Products</b>
4.00	<b>SunBoost ATB</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
3.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxyethyl Dimethicone	Shin-Etsu
2.00	KSG-820	Lauryl Dimethicone Polyglycerin-3 Crosspolymer (And) Isododecane	Shin-Etsu
<b>Part 2</b>			
3.00	Garamite 7308 XR	Quaternium 90 Sepiolite (And) Quaternium 90 Montmorillonite	Eckart
<b>Part 3</b>			
13.00	Water	Aqua	
5.00	Butylene Glycol	Butylene Glycol	Univar/Oxea
1.00	SymDiol® 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
1.00	Mg Sulfate Hept	Magnesium Sulfate Heptahydrate	Fisher Scientific
<b>Part 4</b>			
3.00	<b>MSS-500/N</b>	Silica	<b>Kobo Products</b>
2.00	<b>CELLULOBEADS D-10-NPC2</b>	Cellulose (And) Hydrogenated Lecithin	<b>Kobo Products</b>
0.40	<b>DIM2F45TRY</b>	Dimethicone (And) Iron Oxides (CI 77492) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
0.14	<b>DIM2F50TRR</b>	Dimethicone (And) Iron Oxides (CI 77491) (And) PEG-9 Polydimethylsiloxyethyl Dimethicone (And) Hydrogen Dimethicone (And) Polyglyceryl-4 Isostearate (And) Cetyl PEG/PPG-10/1 Dimethicone (And) Hexyl Laurate	<b>Kobo Products</b>
0.05	<b>KTZ® EBONY</b>	Iron Oxides (CI 77499) (And) Mica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

A w/si fluid emulsion designed for daily broad spectrum UV protection characterized by its light-as-air application and the café au lait color. It contains NHP55STS, a natural, pourable, TiO<sub>2</sub> dispersion with 44% active level in combination with TNP65MZS, a larger particle size, pourable, non-nano Zinc Oxide dispersion with 61% active level for high UVB and UVA protection, boosted by SunBoost ATB. The film former KOBOGUARD® MQ60DM is used to help create an even deposition of filters on the skin. KTZ® EBONY, a black pearl, DIM2F50TRR and DIM2F45TRY, red and yellow transparent iron oxide dispersions, are used at low levels to create the café au lait bulk color of the formula, which vanishes upon application, to leave a completely sheer, glowy look, even on darker skin tones. This microplastic-free formula makes use of the slip and ball bearing effect given by MSS-500/N and the softness given by CELLULOBEADS D-10-NPC2 to create a skin feel normally attributed to PMMA.

## Manufacturing Procedure:

1. Combine Part 1. Add Part 2 to Part 1 under homogenizer, 3000 rpm for 5 minutes to disperse it.
2. Prepare Part 3.
3. Add Part 3 to Parts 1 and 2 under prop stirrer, 1000 rpm.
4. Add Part 4, mix.

## Active Inaredient(s):

Titanium Dioxide	7.92%
Zinc Oxide	13.42%

## Testing:

SPF: in vivo on 5 subjects  
 UVA-PF: in vitro method  
 CW: FDA method



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