



KSL-492A-EU

# Natural No Residue Sunscreen Lotion



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
10.00	<b>ZnO-660-ASGP7</b>	Zinc Oxide (And) Stearoyl Glutamic Acid (And) Polyhydroxystearic Acid	<b>Kobo Products</b>
8.30	Dub Zenoat	Propylenediol Dicaprylate	Stearinerie Dubois
8.25	Dub 810 C	Coco Caprylate Caprate	Stearinerie Dubois
8.00	<b>A10-TiO2-SA-ASG8</b>	Titanium Dioxide (And) Aluminum Hydroxide (And) Stearoyl Glutamic Acid (And) Hydrated Silica	<b>Kobo Products</b>
6.00	<b>KOBOGUARD® NATURAL 2063-CCT</b>	Glyceryl Hydrogenated Rosinate (And) Caprylic/Capric Triglyceride	<b>Kobo Products</b>
4.00	<b>Sunboost ATB Natural</b>	Argania Spinosa Kernel Oil (And) Tocopheryl Acetate (And) Bisabolol	<b>Kobo Products</b>
3.00	Polyaqual VO4	Polyglyceryl-4 Oleate (and) Polyglyceryl-6 Oleate (and) Polyhydroxystearic Acid	Innovacos
<b>Part 2</b>			
43.75	P.water	Deionized Water	x
2.00	Glycerin	Glycerin	Interchemie
1.50	Mg Sulfate Hept	Magnesium Sulfate Heptahydrate	Fisher Scientific
0.70	Symdiol 68	1,2-Hexanediol (And) Caprylyl Glycol	Symrise
0.50	Sensiva PA 40	Phenylpropanol (and) Propanediol (and) Caprylyl Glycol (and) Tocopherol	Schulke
<b>Part 3</b>			
2.00	<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>
100.00			

## Description:

A very simple, cold process w/o lotion containing mineral filters in surface treated powder form. This pumpable, fluid formula is easy to spread on the skin, has a light feel and rubs in without any residue. A10-TiO2-SA-ASG8, a 10 nm PPS Titanium Dioxide with natural origin surface treatment and ZnO-660-ASGP7, a 25 nm PPS Zinc Oxide with superdispersible natural origin surface treatment disperse easily in chosen natural emollients. Both powders are non-nano by PS and chosen for their high transparency. Sunboost ATB Natural is used at 4% to boost UV protection and contribute antioxidant skin protection to the formula. KOBOGUARD® NATURAL 2063-CCT is a natural origin film former used here to form an even and long lasting film of the formula upon application on the skin. CELLULOBEADS D10-NPC2, Cellulose beads with natural origin Hydrogenated Lecithin treatment which renders it ultra creamy and soft are used in combination with MSS-500/N, a 12 micron average PS non-absorbing silica bead to improve the feel, cut tack and impart a matte finish on the skin.

## Manufacturing Procedure:

1. Prepare Part 1 by dispersing the powders in the liquid ingredients.
2. Mix Part 2.
3. Emulsify under propeller stirrer at 800-1000 rpm.
4. Homogenize for 1-2 minutes at 3000 rpm.
5. Add the powders of Part 3.

## Active Inaredient(s):

Zinc Oxide	9.30%
Titanium Dioxide	6.00%

## Testing:

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



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