



KSL-472A-BR

# W/Si Creamy Zinc Oxide Only Sunscreen



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
33.20	Deionized Water	Water	
2.00	Glicerina Bi-Destilada U.S.P.	Glycerin	Sintética
0.80	Sulfato de Magnésio	Magnesium Sulphate	Sintética
<b>Part 2</b>			
14.50	<b>ZNO XZ-11S3L</b>	Zinc Oxide (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
12.00	KF-96A-5cs	Dimethicone	Shin Etsu
9.00	<b>ZNO FSF-11S4</b>	Zinc Oxide (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
8.00	<b>COSMOL™ 525</b>	Neopentyl Glycol Diethylhexanoate	<b>Ikeda/Kobo Products</b>
5.00	<b>T.I.O.</b>	Triethylhexanoin	<b>Ikeda/Kobo Products</b>
4.00	KF-6038	Lauryl PEG-9 Polydimethylsiloxylethyl Dimethicone	Shin-Etsu
4.00	BENTONE GEL® ISD V	Isododecane (and) Distearidimonium Hectorite (and) Propylene Carbonate	Elementis/Cosmot ec
2.00	<b>KOBOGUARD® MQ75ETS</b>	Trimethylsiloxysilicate (And) Ethyl Trisiloxane	<b>Kobo Products</b>
2.00	KF-6017	PEG-10 Dimethicone	Shin-Etsu
0.50	THIXCIN® R PC	Trihydroxystearin	Elementis/Cosmot ec
<b>Part 3</b>			
1.00	Cosmoguard SL-CP	Phenoxyethanol (And) Ethylhexylglycerin	Cosmotec
<b>Part 4</b>			
2.00	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
100.00			

## Description:

This formula is a creamy, W/Si sunscreen with Zinc Oxide as the UV filter. The SPF and PFA are due to ZnO Powders, ZnO XZ-11S3L and ZNO FSF-11S4. COSMOL™ 525 and T.I.O provide spreadability and a nice after feel. COSMOL™ 182V improves formula stability. KOBOGUARD® MQ75ETS is an oil-soluble film former that helps with product wear. MSS-500W is a silica microsphere that reduces tackiness and improves the application feel.

## Manufacturing Procedure:

1. Combine Part 1 using homogenizer.
2. Combine Part 2 and add to Part 1 using homogenizer.
3. Add Part 3 and mix until homogeneous.
4. Add Part 4 and mix until homogeneous.

## Active Inaredient(s):

Zinc Oxide 22.70%

## Testing:

SPF: in vivo on 10 subjects  
 UVA-PF: in vitro method  
 CW: FDA method



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# KOBO

*The Powder & Dispersion  
Specialist*



**KOBO PRODUCTS, INC**  
3474 South Clinton Avenue  
South Plainfield, NJ 07080  
USA

Tel: +1 - 908 757 0033  
Fax: +1 - 908 757 0905



**KOBO BRASIL, LTDA**  
Rua Francisco Nakazato n. 2357  
Itupeva SP 13.295-000  
BRASIL

Tel: +55 (11) 5062 6034



**KOBO PRODUCTS, LTD**  
67D(IV), Innovation Drive  
Milton Park, Abingdon, OX14 4RQ  
UNITED KINGDOM

Tel: +44 7913 636 673



**KOBO PRODUCTS, SAS**  
135 Rue Buissonnière  
Quartier Bouysset  
31670 Labège  
FRANCE

Tel: +33 - (0) 5 62 88 77 40  
Fax: +33 - (0) 5 62 88 77 49



**KOBO DISPATEK, INC**  
1-4-8 Nihombashi-bakurocho  
Chuoko, Tokyo, 103-0002  
JAPAN

Tel: +81 - 3 3663 8049  
Fax: +81 - 3 3661 8679

[www.koboproducts.com](http://www.koboproducts.com)