



KFL-294A

# Tinted ZnO Sunscreen For All Skin Types



%	INGREDIENT	INCI NAME	SUPPLIER
<b>Part 1</b>			
58.40	<b>GCP45XZJ</b>	Caprylic/Capric Triglyceride (And) Zinc Oxide (And) Polyhydroxystearic Acid (And) Jojoba Esters	<b>Kobo Products</b>
10.99	Protachem™ CTG	Caprylic/Capric Triglyceride	Protameen
8.25	<b>CXG-1104</b>	Dimethicone (And) Dimethicone/Vinyl Dimethicone Crosspolymer	<b>Avantor/Kobo Products</b>
6.60	X-22-6711D	Dimethicone (And) PEG/PPG-18/18 Dimethicone	Shin-Etsu
2.75	<b>KOBOGUARD® MQ60DM</b>	Trimethylsiloxysilicate (And) Dimethicone	<b>Kobo Products</b>
1.35	COSMOL™ 43V	Polyglyceryl-2 Triisostearate	Ikeda
0.55	PANALANE® H-300E	Hydrogenated Polyisobutene	Vantage
<b>Part 2</b>			
0.30	<b>GCG50TRSG</b>	Iron Oxides (CI 77491) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.10	<b>GCG50TYSG</b>	Iron Oxides (CI 77492) (And) Caprylic/Capric Triglyceride (And) Polyglyceryl-3 Diisostearate (And) Stearoyl Glutamic Acid	<b>Kobo Products</b>
0.01	<b>KTZ® EBONY-11S4</b>	Iron Oxides (CI 77499) (And) Mica (And) Triethoxycaprylylsilane	<b>Kobo Products</b>
<b>Part 3</b>			
0.55	Pelemol® GTB	Tribehenin	Phoenix Chemical
<b>Part 4</b>			
5.80	Deionized Water	Water	
1.00	Lexgard® Natural MB	Glyceryl Caprylate (and) Glyceryl Undecylenate	Inolex
<b>Part 5</b>			
0.55	<b>SUPEROL® KPO, GLYCERIN 99.7% USP/FCC (KOSHER)</b>	Glycerin	P&G Chemicals
0.05	<b>AQUA KEEP 10SH-NFC</b>	Sodium Acrylates Crosspolymer-2	<b>Sumitomo Seika/Kobo Products</b>
<b>Part 6</b>			
2.75	<b>MSS-500W</b>	Silica	<b>Kobo Products</b>
<b>100.00</b>			

## Description:

This formula is our newest tinted sunscreen. It does not show whitening or blue cast on any skin tone on application. This lightweight and easy to spread product offers flawless and natural looking skin. GCP45XZJ provides UV protection. CXG-1104, a silicone elastomer, improves feel upon application. Transparent Iron Oxide dispersions, GCG50TRSG and GCG50TYSG, and KTZ® EBONY-11S4 create the tint. MSS-500W provides a silky, dry and soft feel. KOBOGUARD® MQ60DM is a film former that improves water resistance. AQUA KEEP 10SH-NFC gels the aqueous phase and offers stability to the formula.

## Manufacturing Procedure:

1. Combine Part 1. Homogenize until uniform.▫
2. Add Part 2 to Part 1. Prop mix until uniform.▫
3. Add Part 3 to batch at 65°C, then cool to RT.▫
4. Combine Part 4. Prop mix then add Part 5 slurry.▫
5. Slowly add Parts 4 and 5 to Part 1, 2, 3. Prop mix batch until smooth and uniform..▫
6. Add Part 6 to batch. Mix until uniform.

## Active Inaredient(s):

Zinc Oxide 24.97%

## Testing:

SPF: in vivo on 5 subjects  
CW: FDA method



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July, 2021

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