

FORMULATION SHEET

ELEMENTIS

Dry Touch Mineral Sunscreen

S-2012-02

DESCRIPTION

Protect your skin with this mineral sunscreen. Predicted SPF 25.8, PA +++.

Phase	Ingredient	Supplier	%w/w
A	Dicaprylyl Carbonate (Cetiol CC)	BASF	20.00
	Isoamyl Laurate (Jolee 7750)	Oleon	15.00
B	Zinc Oxide (and) Triethoxycaprylsilane (Z-Cote HP-1)	BASF	15.00
	Titanium Dioxide (and) Silica (and) Dimethicone (Parsol TX)	DSM	7.50
C	C13-15 Alkane (and) Polyglyceryl-3 Polyriscinaoleate (and) Distearidimonium Hectorite (BENTONE® LUXE XO)	Elementis	10.00
D	Deionized Water		30.00
	Propandiol		1.00
	Dehydroacetic Acid (and) Benzyl Alcohol (Geogard 221)	Lonza	1.00
	Sodium Chloride		0.50

PROCEDURE

1. Combine Phase A and mix until uniform.
2. Add Phase B to Phase A with Silverson homogenizer and mix for 5 minutes.
3. Add Phase C to Phase A/B using a Silverson homogenizer and mix for 5 minutes until uniform.
4. Combine Phase D and mix until dissolved.
5. Transfer Phase A/B/C to a propeller stirrer and add Phase D slowly a little at a time, ensuring uniform mixing in between addition of more. Continue mixing for 5-10 minutes after the entire phase has been added.

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SPECIFICATIONS

Viscosity: DV-II, Spindle 6, 10 rpm, 16,400 cP

Appearance: Thick white cream

ADVANTAGES

BENTONE® LUXE XO is the sole emulsifier, allowing for cold process low to high water content formulations with great stability.

NOTE: The information herein is currently believed to be accurate. We do not guarantee its accuracy. Purchasers shall not rely on statements herein when purchasing any products. Purchasers should make their own investigations to determine if such products are suitable for a particular use. The products discussed are sold without warranty, express or implied, including a warranty of merchantability and fitness for use. Purchasers will be subject to a separate agreement which will not incorporate this document.

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