

# ALZO International, Inc.

650 Jernee Mill Road Sayreville, New Jersey Phone (732) 254-1901 Fax (732) 254-4423

Category: Skin Care

NuPlastic BB Cream (SPF 20) TC1-47

Ingredient	INCI	Supplier	W/W%
<b>Phase A (Water Phase)</b>			
DI Water	Water	N/A	35.2
Polyderm PE/PA ED	Polyurethane 58	Alzo	10.0
Glycerin	Glycerin		2.0
Tween 80	Polysorbate 80	Croda	1.0
Simulgel EG	Sodium Acrylate / Sodium Acryloyldimethyl Taurate Copolymer & Isohexadecane & Polysorbate 80	Seppic	0.5
<b>Phase B (Oil Phase)</b>			
NuLastic Silk MA ID-8	Isododecane (and) C4-24 Alkyl Dimethicone / Divinyldimethicone Crosspolymer	Alzo	10.0
Cetyl Alcohol	Cetyl Alcohol	Alzo	2.0
Stearyl Alcohol	Stearyl Alcohol	Alzo	3.0
Glyceryl Monostearate	Glyceryl Monostearate	Alzo	3.0
Xathan Gum	Ketrol T	Alzo	0.3
Eusolex 9020	Avobenzene	Merck	3.0
Eusolex OCR	Octocrylene	Merck	5.0
Eusolex OS	Octisalate	Merck	5.0
Escalol 567	Oxybenzone	Ashland	6.0
Elefac I-205	Octyldodecyl Neopentanoate	Alzo.	4.0
Dermol 25B	C12-15 Alkyl Benzoate	Alzo.	2.0
<b>Phase C (Color)</b>			
Unipure Yellow LC 182 AQ	Iron Oxides (C.I. 77492) (and) Cyclopentasiloxane	Sensient	1.57

	(and) PEG/PPG-18/18 Dimethicone (and) Triethoxycaprylylsilane (and) Tocopheryl Acetate		
Unipure Red LC381 AQ	Iron Oxides [C.I. 77491] (and) Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone (and) Triethoxycaprylylsilane (and) Tocopherol Acetate	Sensient	0.26
Cadre Black Iron Oxide AQ	Iron Oxides (C.I. 77499) (and) Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone (and) Triethoxycaprylylsilane (and) Tocopheryl Acetate	Sensient	0.17
Unipure White LC 981 AQ	Titanium Dioxide (and) Cyclopentasiloxane (and) PEG/PPG-18/18 Dimethicone (and) Triethoxycaprylylsilane (and) Tocopheryl Acetate	Sensient	5.0
<b>Phase C (Preservative)</b>			
Dermol CG	Capryryl Glycol	Alzo International	0.50
Phenoxyethanol	Phenoxyethanol		0.50
<b>Total</b>			<b>100</b>

## Manufacturing Procedure:

1. Combine aqueous phase (Phase A) ingredients other than Polyderm PE/PA ED into main beaker. Heat 65C-70C and add pigments (phase c) with increased stirring.

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2. In separate beaker add oil phase components (Phase B) and heat until solid components are melted. There will be gels of silicone elastomer present in the mixture.
3. Emulsify by adding phase B to A mixing using homogenizer, homogenize till smooth and uniform
4. Move to overhead stirrer and continually stir
5. Cool to 35-40C and add preservative.

## **Benefits:**

NuPlastic film on skin entraps moisturizing ingredients on skin and imparts an aesthetic of efficacy with a comfortable film on skin.