



We Love Saving Face...

Marrix™ SF

ELINCS Number: 457-790-9

INCI Name: Di-C12-15
Alkyl Fumarate

- U.S. Patent Number 5,840,285
- Extremely Mild, Non-Irritating, Non-Sensitizing
- Silky, Smooth, Satiny Skin Feel
- Soft Wax, Melts Near Body Temperature
- Increases Playtime and Cushioning
- Thick to Thin Viscosity Change

ALZO International Inc.

MARRIX™ SF

Extraordinary MILDNESS & Exceptional FEEL!

MARRIX SF: FORMULARY

MARRIX CATIONIC CREAM SPA 1-46

PRODUCT NAME	INCI	W/W%
Part A		
Water	Water	85.30
Nequat DBS	Stearyl Alcohol (and) Stearamidopropyl Ethyldimonium Ethosulfate (&) Dimethyl Lauramine (&) Dilinoleic Acid	5.75
Part B		
Marrix SF	Di-C12-15 Alkyl Fumarate	3.00
Wickenol 153	Isotridecyl Isononanoate	3.00
Polyderm PPI-SI-WI	Bis-PPG-15 Dimethicone/IPDI Copolymer	1.00
Cetyl Alcohol	Cetyl Alcohol	1.25
Part C		
Fragrance		0.50
Microcare MTI	Methylisothiazolinone (&) Iodopropynyl Butylcarbamate	0.20
Total		100.00

PROCEDURE:

- 1). Combine Part A with mixing and heat to 70°C
- 2). In separate vessel combine Part B ingredients; mix and heat to 70°C
- 3). Maintain temperature and add Part B to Part A with mixing for 10 minutes; mix until uniform
- 4). Continue mixing and cool to 35-40°C
- 5). Add Part C while continuing mixing; cool to desired temperature

MARRIX SF LOTION SPA1-57

PRODUCT NAME	INCI	W/W%
Part A		
Water	Water	78.90
Optiphen	Phenoxyethanol (and) Caprylyl Glycol	1.00
TEA (99%)	Triethanolamine	0.40
Part B		
Veegum F/Keltrol T (2:1)	Magnesium Aluminum Silicate/Xanthan Gum	1.50
Part C		
Marrix SF	Di-C12-15 Alkyl Fumarate	10.00
Mulls 2218	Behenoyl Stearic Acid	1.20
Cetearyl Alcohol	Cetearyl Alcohol	4.00
Dermol 89	Isononyl Isononanoate	3.00
Total		100.00

PROCEDURE:

- 1). Combine Part A ingredients and begin mixing and heat to 70°C
- 2). Combine Part B and sprinkle into Part A with good mixing
- 3). Combine Part C. Mix and heat to 70°C
- 4). When Parts A & B are uniform, add Part C with mixing
- 5). Mix until uniform
- 6). Continue mixing and cool to desired temperature

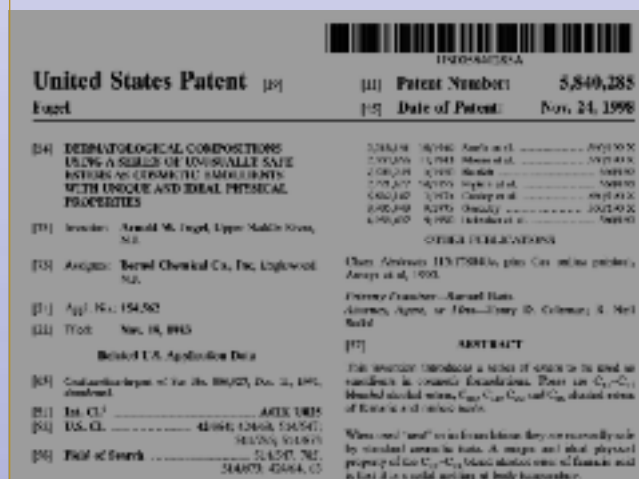
MARRIX SF: FEATURES

- soft, white paste
- melts near body temperature
- light, silky emolliency
- "0" irritation readings tested at 100% pure ester
- anti-tack properties
- modifies melt point of solids
- unique pigment wetting and binding
- solubilizer for solids and crystals

MARRIX SF: APPLICATIONS

- O/W Lotions
- W/O Creams
- Sun care
- Bath & Shower
- Sticks & Solids
- Make-up
- Lipsticks
- Conditioners
- Shave Care

MARRIX SF: INNOVATIVE TECHNOLOGY



MARRIX SF: TYPICAL PROPERTIES

Appearance @ 25°C	White solid
Color, Gardner	2
Odor	Mild, Characteristic
Melt point	40°C

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