# We Love Saving Face... Marrix<sup>™</sup> 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<sup>™</sup> SF Extraordinary MILDNESS & Exceptional FEEL!

# MARRIX SF: FORMULARY

**MARRIX CATIONIC CREAM SPA 1-46** 

PRODUCT NAME	INCI	W/W%
Part A		
Water Nequat DBS	Water Stearyl Alcohol (and) Stearamidopropyl Ethyldimonium Ethosulfate (&)	85.30
	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 Microcare MTI	Methylisothiazolinone (&)	0.50
	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 SPAI-57**

PRODUCT NAME	INCI	<b>W/W%</b>
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  $70^\circ$ C
- 2). Combine Part B and sprinkle into Part A with good mixing
- 3). Combine Part C. Mix and heat to  $70^{\circ}$ 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
<ul> <li>solubilizer for solids and crystals</li> </ul>
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

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# MARRIX SF: TYPICAL PROPERTIES

White solid
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Mild, Characteristic
40°C



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