

Polyderm PPI-SI-LSA

INCI: Bis-Hydroxyethoxypropyl Dimethicone/PEG-2 Soyamine/ IPDI Copolymer

DESCRIPTION:

Patented cationic polymeric silicone urethane based upon a combination of outstanding conditioning agents that makes it an excellent choice for hair, skin and body care products to provide maximum performance benefits.

FEATURES:

- highly water resistant film former
- potential for increased moisturization
- adhesion and long wear
- adds shine, gloss, and lubricity
- great wet and dry combing

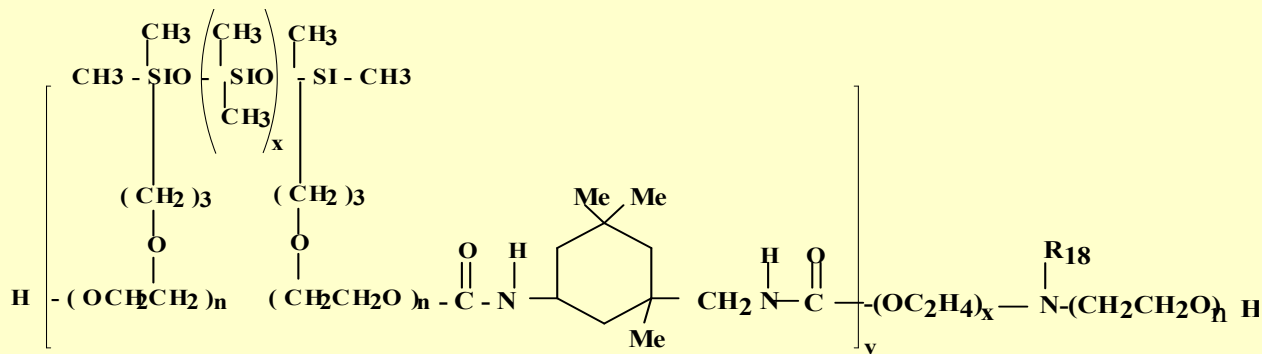


APPLICATIONS:

- shampoos
- conditioners
- body washes
- hair colors
- moisturizers
- creams and lotions
- sun care products



Polyderm PPI-SI-LSA Chemical Structure



Formulary

Typical Properties

Appearance @ 25° Slightly viscous liquid
 Odor Mild characteristic
 Color, APHA 100 max.
 Viscosity @ 25° 1000 cps.

Manufacturing procedures available upon request

LSA BODY WASH P55-035-1

Material	INCI	%W/W	SUPPLIER	500.00
RO Water	Water	39.45		197.25
Aqua SF-1	Acrylates copolymer	7.00	Noveon	35.00
TEA 99	Triethanolamine	0.60		3.00
DC 3-0113 Polymer	Dimethiconol	3.00	Dow Corning	15.00
Polyderm PPI-SI-LSA	Bis-PEG-1 Dimethicone-PEG-2 Soyamine IPDI	1.00	ALZO	5.00
RO Water	Water	10.00		50.00
Mackam CB-35	Coco Betaine	9.00	McIntyre	45.00
Mackamine CO	Cocamine Oxide	9.00	McIntyre	45.00
Mackanate EL	Disodium Laureth Sulfosuccinate	20.00	McIntyre	100.00
Dermothix 75	Disteareth 75 IPDI	0.25	ALZO	1.25
Fragrance	CARRUBBA Grapefruit D5406	0.50	CARRUBBA	2.50
Microcare MTI	Methylisothiazolinone (&) lodopropynyl butylcarbamate	0.20	ACTIchem	1.00
		100.00		

DAILY DBS-LSA CONDITIONER P55-019

PRODUCT NAME	INCI	W/W%	Supplier
Ro water	water	89.55	
Nequat DBS	Stearyl Alcohol (&) Dimethyl Lauramine (&) Dlinoleic Acid (&) Stearamidopropyl Ethylidimonium Ethosulfate	5.75	ALZO
Dermocol 16	Cetyl Alcohol	3.00	ALZO
Polyderm PPI-SI-LSA	Bis-PEG-1 Dimethicone-PEG-2 Soyamine IPDI	1.00	ALZO
Fragrance		0.50	
Microcare MTI	Methylisothiazolinone (&) lodopropynyl butylcarbamate	0.20	ACTIchem
		TOTAL	100.00
		pH =	6.10
		Spindle + Speed for 60 sec.	LV4@6rpm
		Viscosity:	26000 cps.

Split-end mending shampoo-LSA

PRODUCT NAME	INCI	W/W%	Supplier	500.00
Ro water	water	66.75		333.75
Mackernium C-14S	Guar Hydroxypropyltrimonium Chloride	0.50	McIntyre	2.50
Eofeta BD	Disodium EDTA	0.05	BASF	0.25
Mackam CB-35	Coco Betaine	6.00	McIntyre	30.00
Mackamine CO	Cocamine Oxide	5.00	McIntyre	25.00
Mackanate EL	Disodium Laureth Sulfosuccinate	20.00	McIntyre	100.00
Polyderm PPI-SI-LSA	Bis-PEG-1 Dimethicone-PEG-2 Soyamine IPDI	0.50	ALZO	2.50
Dermothix 75	Disteareth 75 IPDI	0.50	ALZO	2.50
Fragrance	CARRUBBA Grapefruit D5406	0.50	CARRUBBA	2.50
Microcare MTI	Methylisothiazolinone (&) lodopropynyl butylcarbamate	0.20	ACTIchem	1.00
		TOTAL	100.00	

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