

NuLastic™ Slip

Innovative Silicone Elastomers

Water and Water Soluble Ingredients
Entrapment and Delivery

■ **NuLastic SLIP D99**

INCI Name:

Isononyl Isononanoate (and)
PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer

■ **NuLastic SLIP ID**

INCI Name:

Isododecane (and)
PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer

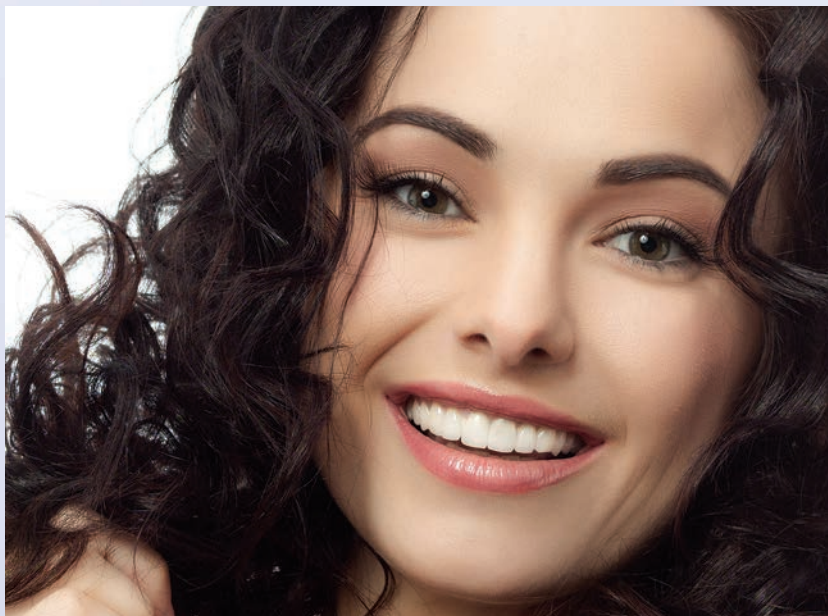
■ **NuLastic SLIP DM**

INCI Name:

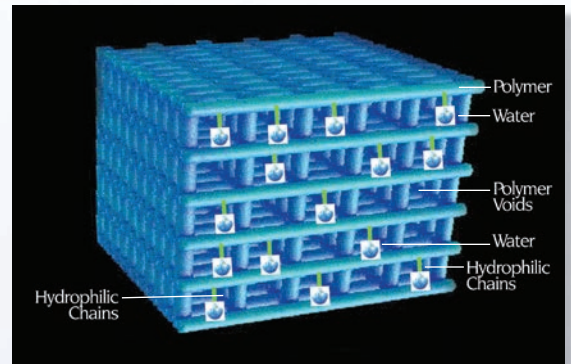
Dimethicone (and)
PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer

PROPERTIES

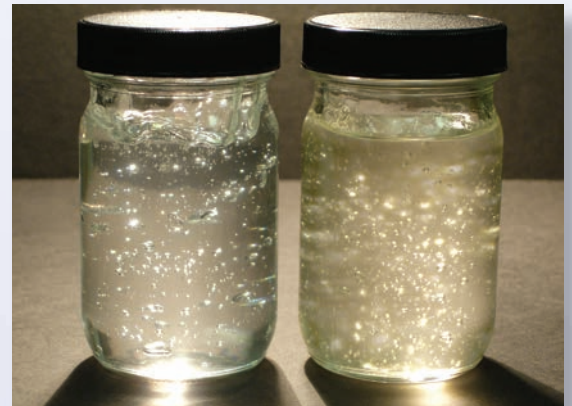
- crosspolymers swollen in cosmetic solvents
- grafted hydrophilic chains
- volatile and non-volatile carriers
- optimum mw results in maximum voids for actives loading
- accelerated hydrophilic transport
- w/o emulsification
- elegant skin feel
- typical water absorption is 30% at 6% polymer content



SLIP "SCAFFOLD" STRUCTURE



ACTIVES ENTRAPMENT



30% hydrogenated polyisobutene in SILK ID-6

30% hydrophilic mixture in SLIP ID-6

APPLICATIONS

- Make-Up
- Lipstick & Lip Glosses
- Facial Care
- Body Care
- Sun Care
- Shave Care
- Hair Care
- Fragrances

NuLastic™ SLIP Formulary

NuLastic™ SLIP Lipstick CR2-49

Product Name	INCI NAME	W/W%	Supplier
Part A (Oil)			
Dermol DGDIS	Polyglyceryl 2- Diisosterate	9.00	ALZO
Polyderm PPI-CO	Castor Oil/IPDI Copolymer	5.00	ALZO
Performalene 400	Polyethylene	6.00	Baker Hughes
Performacol 350	C20-40 Alcohols	8.00	Baker Hughes
SP89	Microcrystalline Wax	2.00	Strahl and Pitsch
SP1026	Ozokerite Wax	2.00	Strahl and Pitsch
NuLastic SLIP D99-9	Isononyl Isononanoate (and) PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer	35.00	ALZO
Part B (Aqueous)			
Water	Water	10.00	
Glycerin	Glycerin	10.00	
Part C (Pigment)			
Unipure Red LC 381 Aq	Iron Oxide	4.00	Sensient
Unipure White 981 Aq	Iron Oxide	3.00	Sensient
Unipure Yellow 182 Aq	Iron Oxide	1.00	Sensient
Cloissonne	Mica (and) Titanium Dioxide (and)		
Sparkle Gold	Iron Oxides	1.67	BASF
Flamenco	Mica (and) Titanium Dioxide (and)		
Twilight Red 430ZB	Iron Oxides	1.00	BASF
Kobo KTZ Classic White	Mica (and) Titanium Dioxide	1.33	Kobo
Part D (Preservative)			
Dermol CG	Capryryl Glycol	0.50	Alzo
Dowenol EPH	Phenoxyethanol	0.50	Dow
	Total	100.00	



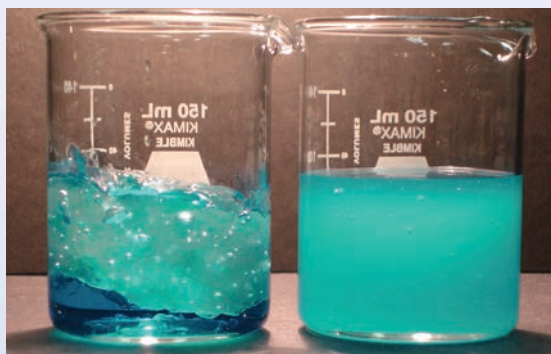
WATER SOLUBLE ACTIVES DELIVERY



NuLastic™ SLIP Make-up jc3-276

Product Name	INCI NAME	W/W%	Supplier
Part A			
Water, Deionized	Aqua	52.50	
Butylene Glycol	Butylene Glycol	3.00	ALZO
Cetareth 20	Cetareth 20	1.00	ALZO
Polyderm PPI-SI-WS	Bis-PEG-15 Dimethicone/IPDI Copolymer	0.50	ALZO
Veegum/Keltrol 2:1	Magnesium Aluminum Silicate/Xanthan Gum	1.80	RT Vanderbilt/Kelco
Part B			
NuLastic SLIP ID-7	Isododecane (and) PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer	25.00	ALZO
Color Blend jc3-225		15.00	
Cab-O-Sil M5	Silicone Dioxide	1.00	Cabot
Microcare MTI	Methylisothiazolinone (and) Iodopropynyl butylcarbamate	0.20	ACTI-Chem
	TOTAL	100.00	

"SLIP" EMULSIFYING



NuLastic™ SLIP W/O/W Emulsion jc3-268

Product Name	INCI NAME	W/W%	Supplier
Part A			
NuLastic SLIP D99-9	Isononyl Isononanoate (and) PEG-10 Dimethicone/Vinyl Dimethicone Crosspolymer	20.00	ALZO
Glycerin	Glycerin	2.00	
Water, Deionized	Aqua	5.00	
Dye	FD & C Blue 1 (1% Aqueous Solution)	0.02	
Part B			
Pemulen TR-1	Acrylates/C 10-30 Alkyl Acrylate Crosspolymer	0.20	Lubrizol
Water, Deionized	Aqua	72.38	
TEA 99	Triethanolamine	0.20	
Microcare MTI	Methylisothiazolinone (and) Iodopropynyl butylcarbamate	0.20	ACTI-Chem
	TOTAL	100.00	

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