

# NuLastic™ Silk

*The Next Generation of Silicone Elastomers*

**NEW!**

**Elastomers Gelled in Esters**

■ **NuLastic Silk MA, D99**

**INCI Name:**

Isononyl Isononanoate (and)  
C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer

**NEW!**

**Elastomer Gelled in a Volatile Silicone Replacement**

■ **NuLastic Silk MA, VSR**

**INCI Name:**

C13-C16 Isoparaffin (and) C12-C14 Isoparaffin (and)  
C13-C15 Alkane (and) C4-24 Alkyl Dimethicone/  
Divinyldimethicone Crosspolymer

■ **NuLastic Silk MA, D5**

**INCI Name:**

Cyclomethicone (and)  
C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer

■ **NuLastic Silk MA, ID**

**INCI Name:**

Isododecane (and)  
C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer

■ **NuLastic Silk MA, DM**

**INCI Name:**

Dimethicone (and)  
C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer

**PROPERTIES**

- patented divinyldimethicone crosspolymers swollen in cosmetic esters and solvents
- grafted C4-24 Alkyl chains
- high mw "scaffold" structure allows for maximum actives entrapment
- increased viscosity; enhanced stability
- long lasting wear and film forming
- clear gel systems
- lubricious emolliency
- customized polymer concentrations and solvent blends available



30% loading of hydrogenated polyisobutene in NuLastic SILK D5-6 gel (400,000 cps)

## APPLICATIONS

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

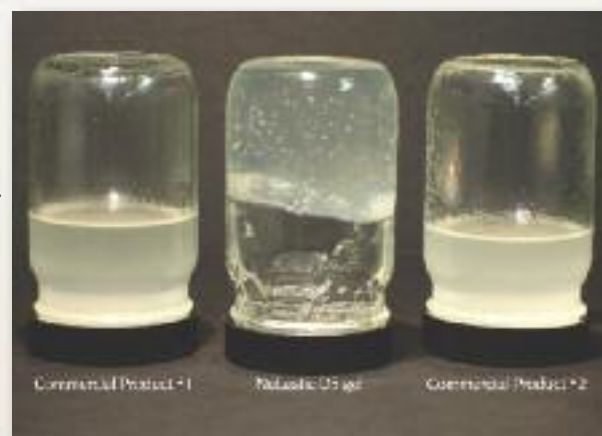
## NuLastic™ Lipstick with D-99-8 jc3-238

Product Name	INCI NAME	W/W%	Supplier
<b>Part A</b>			
NuLastic Silk MA, D99-8	Isononyl Isononanoate (and) C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer	35.00	ALZO
Polyderm PPI-SI-BBA	Bis-PEG-1 Dimethicone-Bis Hydroxypolydimethylsiloxane/IPDI Silane Isocyanate Copolymer (proposed)	10.00	ALZO
Polyderm PPI-CO	Castor Oil/IPDI Copolymer	10.00	ALZO
Polyderm PPI-DGDIS	Polyglyceryl-2 Diisostearate/IPDI Copolymer	9.50	ALZO
Performalene PL	Polyethylene	6.00	Baker Petrolite
Performacol 550	C30-50 Alcohols	8.00	Baker Petrolite
SP 89	Microcrystalline Wax	2.00	Strahl & Pitsch
SP 1020	Ozokorite Wax	2.00	Strahl & Pitsch
<b>Part B</b>			
Covalumine Compari Red AS	Alumina (and) Carmine (and) Triethoxycaprylsilane	4.00	Sensient
Covalumine Red Rose AS	Alumina (and) Red 7 Lake (and) Triethoxycaprylsilane	2.00	Sensient
Covalumine Sonoma Red AS	Alumina (and) Iron Oxide (and) Triethoxycaprylsilane	2.00	Sensient
Covalumine Atlas White AS	Alumina (and) Titanium Dioxide (and) Triethoxycaprylsilane	6.00	Sensient
Cloisonne Sparkle Rouge 450J	Mica (and) Iron Oxide	3.50	BASF
<b>TOTAL</b>		<b>100.00</b>	



## NuLastic™ Sunscreen Gel ps1-269

Product Name	INCI NAME	W/W%	Supplier
<b>Part A</b>			
Ritacane	Isododecane	19.50	RITA
NuLastic Silk MA, ID	Isododecane (and) C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer	50.00	ALZO
<b>Part B</b>			
Elefac I-205	Octyldodecyl Neopentanoate	15.00	ALZO
Ethylhexyl Salicylate	Ethylhexyl Salicylate	5.00	ALZO
Ethylhexyl Cinnamate	Ethylhexyl Cinnamate	7.50	ALZO
Benzophenone-3	Benzophenone-3	3.00	ALZO
<b>TOTAL</b>		<b>100.00</b>	



Elastomer sunscreen gels with 25% loading of organic UV absorbers & emollients

## NuLastic™ Hair Conditioner jc3-226-1

Product Name	INCI NAME	W/W%	Supplier
RO Water	Water	77.50	
Nequat DBS	Stearyl Alcohol (and) Stearamidopropyl Ethyltrimonium Ethosulfate (and) Dimethyl Lauramine (and) Dilinoleic Acid	5.00	ALZO
Cosmowax P	Cetearyl Alcohol (and) Ceteareth-20	2.00	CRODA
Nulastic Silk MA, D5-6	Cyclomethicone (and) C4-24 Alkyl Dimethicone/Divinyldimethicone Crosspolymer	15.00	ALZO
Fragrance		.30	
Microcare MTI	Methylisothiazolinone (and) Iodopropynyl Butylcarbamate	.20	ACTI chem
<b>TOTAL</b>		<b>100.00</b>	



**ALZO** International Inc.

Where Chemistry is Artistry