

# JEEN

*YOU CAN COUNT ON US!*

## *Specialty Silicone Series*



**JEEN** INTERNATIONAL  
CORPORATION

24 Madison Road Fairfield, NJ 07004 USA  
Tel 973-439-1401 Fax 973-439-1402  
[www.jeen.com](http://www.jeen.com) Email - [info@jeen.com](mailto:info@jeen.com)



# JEEN International Corporation

24 Madison Road  
Fairfield, New Jersey 07004  
Tel#: 973-439-1401  
Fax#: 973-439-1402  
Email: [info@jeen.com](mailto:info@jeen.com)  
Website: [www.jeen.com](http://www.jeen.com)

Formulating with JEESILC<sup>®</sup> Silicone Gels:  
Featuring: **JEESILC<sup>®</sup> PS-CMBF**



The JEESILC<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

### JEESILC<sup>®</sup> PS-CMBF

*INCI: Cyclopentasiloxane, Bis-Vinyl Dimethicone/Dimethicone Copolymer*

*JEESILC<sup>®</sup> PS-CMBF will deliver an increased play time with a substantive, slow spreading application. It can enhance your optical blurring and line filling products while providing a powder finish. JEESILC<sup>®</sup> PS-CMBF is a clear gel of Cyclopentasiloxane that provides a very light spreading, silky feel to emulsions and anhydrous products.*

*Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/ Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents. Use this silicone polymer to increase the viscosity of non-polar solvents, thus enhancing the feel and spreadability. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.*

## Applications

- Color Cosmetics
- Sun Care
- Hair Care
- AP/DEO
- Skin Care

### Benefits

- Patented, Non-Crosslinked Polymer allows freedom to formulate
- Uniform spread with no balling upon application
- Semi-Volatile Gel delivers Silky, Smooth finish
- Low Viscosity Gel allows ease of use for less formulation and production time

**Product Specifications:**  
Appearance @ 25<sup>0</sup>C  
Clear Gel

**Foreign Matter**  
Free of Foreign Matter

Viscosity, cps @ 25° C  
(Brookfield LVT, Sp.#4, @ 0.6 rpm):  
175,000 – 250,000

**General Handling and Storage:**

- Store in Clean Dry Area
- Ambient Room Temperature

**Standard Packaging:**  
400 lb Drum (181.43 kg)  
33 lb Pail (14.96 kg)

## Suggested Formulation

### Line Filler #1 J5/90A

Phase	Ingredients	INCI Nomenclature	%
A	JEESILC <sup>®</sup> CMBF	Cyclopentasiloxane, Bis-Vinyl Dimethicone/Dimethicone Copolymer	29.0
A	JEESILC 3D5LV		41
A	JEESILC <sup>®</sup> CPS-312	Cyclopentasiloxane, Cyclohexasiloxane	15.44
A	MATRIXYL 3000	Glycerin & Butylene Glycol & Water & Carbomer & Polysorbate 20 & Palmitoyl Oligopeptide & Palmitoyl Tetrapeptide-3	0.50
A	Glycerin 99	Glycerin	3
A	JEECIDE <sup>®</sup> CAP-2	Caprylyl Glycol, Phenoxyethanol, Hexylene Glycol	0.70
A	JEECOL <sup>®</sup> PSA-15	PPG-15 STEARYL ETHER	0.20
A	WATER		1.0
A	JEECOL <sup>®</sup> ISA	ISOSTEARYL ALCOHOL	3.5
A	JEESILC <sup>®</sup> DMC 19	PEG/PPG-18/18 DIMETHICONE	0.2
B	Yellow iron Oxide Si IIS2		0.049
B	Black IIS2		0.006
B	Red Iron Oxide IIS2		0.01
B	Titanium Dioxide IIS2		0.695
B	IHD	Isohexadecane	0.2
C	JEENATE <sup>®</sup> 3H	POLYETHYLENE	4.0
C	JEEMATE <sup>®</sup> 4400-DPS	PEG-100 STEARATE	0.4
D	A-200 Silica		0.10

### Procedure:

- 1) Add Phase A and Mix
- 2) Add Phase B and homogenize
- 3) Add Phase C while mixing
- 4) Heat and batch 65- 70°C until waxes are melted
- 5) Add Phase D and Homogenize until mixture is homogenous

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Formulating with JEESILC<sup>®</sup> Silicone Gels:  
Featuring: **JEESILC<sup>®</sup> PS-DMBF**



The JEESILC<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

### JEESILC<sup>®</sup> PS-DMBF

**INCI:** Dimethicone, Bis-Vinyl  
Dimethicone/Dimethicone Copolymer

*Jeasilc<sup>®</sup> PS-DMBF provides a substantive texture with a lengthy play time. It will produce long lasting, skin conditioning emolliency that increases elasticity and softness of the skin. JEESILC<sup>®</sup> PS-DMBF is a clear gel of Dimethicone fluid that provides a non-volatile moisturizing film for skin, hair and lips. Use this additive to impart a silky feel to emulsions and anhydrous applications.*

*Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/ Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents. Use this silicone polymer to increase the viscosity of non-polar solvents, thus enhancing the feel and spreadability. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.*

## Product Description

- Color Cosmetics
- Sun Care
- Hair Care
- Skin Care

### Benefits

- Patented, Non-Crosslinked Polymer allows freedom to formulate
- Uniform spread with no balling upon application
- Non-Volatile Gel delivers Silky, Smooth finish
- Low Viscosity Gel allows ease of use for less formulation and production time

### Product Specifications:

Appearance @ 25°C  
Clear Gel

### Foreign Matter

Free of Foreign Matter

Viscosity, cps @ 25° C  
(Brookfield LVT, Sp.#4, @ 0.6 rpm):  
175,000 – 250,000

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

Standard Packaging:  
400 lb Drum (181.43 kg)  
33 lb Pail (14.96 kg)

## Product Description

Anhydrous Cream Foundation J2/37B

Ingredients	INCI Nomenclature	%
JEESILC PDS-1.5 (70%) & JEESILC PS-DMBF (30%)	DIMETHICONE, POLYDIMETHYLSILOXANE, BIS-VINYLDIMETHICONE/DIMETHICONE COPOLYMER	36.00
JEENATE 2H	POLYETHYLENE	7.30
JEENATE 3H	POLYETHYLENE	1.00
TETRABEHENATE de PENTAERYTHRITOL		1.00
AEROSIL 200	SILICA	0.50
SP-500	NYLON 12	3.00
MICA BC WG		3.50
JEESILC PDS-1.5	DIMETHICONE	26.40
TITANIUM DIOXIDE	Titanium Dioxide and Triethoxycaprylsilane	18.10
RED IRON OXIDE	Red IronOxide and Triethoxycaprylsilane	0.60
YELLOW IRON OXIDE	Yellow IronOxide and Triethoxycaprylsilane	1.20
BLACK IRON OXIDE	Black IronOxide and Triethoxycaprylsilane	0.40
JEESILC DMC 19-3	PEG-12 DIMETHICONE	1.00

### Procedure:

1. Pre-mix Jeasilc PDS-1.5 and Jeasilc PS-DMBF in ratio 70:30.
2. Add blend from 1.and waxes to main tank and heat to 75-80C.
3. Add Silica, Mica, Nylon 12 and color powders and mix until uniform.
4. Add Jeasilc PDS-1.5 and DMC 19-3 and cool to RT.

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Formulating with JEESILC<sup>®</sup> Silicone Gels:  
Featuring: **JEESILC<sup>®</sup> PS-VHBF**



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## Product Description

### JEESILC<sup>®</sup> PS-VHBF

**INCI:** Bis-Vinyl Dimethicone/Dimethicone Copolymer (and) Isododecane

**JEESILC<sup>®</sup> PS-VHBF is the fastest drying of JEEN's Silicone Polymer Technology. This clear Isododecane gel adds a light spreading, silky feel to emulsion and anhydrous products. Ideal for a matte finish, JEESILC<sup>®</sup> PS-VHBF will enhance the feel of your formulation. Optical blurring is made possible while maintaining the skins natural feel. Reduce defatting of the skin which is typically associated with formulations containing Isododecane.**

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## Applications

- Color Cosmetics
- Skin Care
- Hair Care
- Sun Care
- AP/DEO
- Treatment Serums

### Benefits

- Patented, Non-Crosslinked Polymer allows freedom to formulate
- Uniform spread with no balling upon application
- Dry, Elegant feel which reduces tack and oiliness
- Low Viscosity Gel allows ease of use for less formulation and production time

### Product Specifications:

**Appearance:**  
Clear Gel

**Foreign Matter:**  
Free of Foreign Matter

**Viscosity, cps @ 25° C:**  
(Brookfield LVT, Sp.#4, @ 0.6 rpm)  
175,000 – 250,000

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

**Standard Packaging:**  
400 lb Drum (181.43 kg)  
33 lb Pail (14.96 kg)

## Suggested Formulation

Hand & Body Moisturizer J4-19B

Phase	Ingredients	INCI Nomenclature	% Control	% JEESILC DMBF
A	Deionized Water	Water	81.0	77.0
A	Ultraz <sup>®</sup> 10	Carbomer	0.40	0.40
B	Stearic Acid	Stearic Acid	3.50	3.50
B	Cetyl Alcohol	Cetyl Alcohol	1.00	1.00
B	Stearyl Alcohol	Stearyl Alcohol	1.50	1.50
B	JEECHEM <sup>®</sup> TN	C12-15 Alkyl Benzoate	7.00	7.00
B	JEECORB <sup>®</sup> O-20	Polysorbate 80	0.50	0.50
C	TEA 99%	Triethanolamine	0.60	0.60
D	JEECID <sup>®</sup> CAP-5	Phenoxyethanol & Caprylyl Glycol & Potassium Sorbate & Water & Hexylene Glycol	1.00	1.00
D	Vitamin E Acetate	Tocopheryl Acetate	0.50	0.50
D	JEECHEM <sup>®</sup> FS-102	Hexylene Glycol & PEG-25 Hydrogenated Castor Oil & PEG-40 Hydrogenated Castor Oil	1.00	1.00
D	Fragrance LFG-3330	Fragrance	0.50	0.50
E	JEESILC <sup>®</sup> PS-DMBF	Dimethicone & Bis-Vinyl Dimethicone/Dimethicone Copolymer	X	4.00
E	JEELUX <sup>®</sup> DMIPIS	Isopropyl Isostearate & Dimethicone & Bis-Vinyl Dimethicone/Dimethicone Copolymer	X	X
F	Algae Extract	Algae Extract	1.50	1.50
G	FD&C Blue #1			
G	D&C Yellow #5			q.s.

### Procedure:

- 1.) Add D.I. Water and sprinkle in Ultraz<sup>®</sup> 10 using propeller mixing. Heat Phase A to 70° C.
- 2.) Add Phase B ingredients one at a time to the batch and maintain 70° C.
- 3.) Switch to sweep agitation and add Phase C. Mix well.
- 4.) Pre-mix Phase D in a side vessel.
- 5.) Cool batch to 50-55° C and add pre-mix Phase D.
- 6.) Add Phase E and mix well.
- 7.) Add Phase F.
- 8.) Add Phase G.
- 9.) Cool batch to RT.

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Formulating with JEESILC<sup>®</sup> Silicone Gels:  
Featuring: **JEESILC<sup>®</sup> PS-CMLV**



The JEESILC<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

### JEESILC<sup>®</sup> PS-CMLV

**INCI:** Cyclopentasiloxane, Bis-Vinyl Dimethicone/Dimethicone Copolymer

**JEESILC<sup>®</sup> PS-CMLV is a volatile, viscous liquid with a high concentration of Bis-Vinyl Dimethicone/Dimethicone Copolymer. Condition the skin and provide a glossy finish while maintaining a light feel. JEESILC<sup>®</sup> PS-CMLV will boost film integrity without leaving the skin feeling tacky and heavy. This thin film matrix will maintain moisturization and enhance elasticity in your formulations. JEESILC<sup>®</sup> PS-CMLV is a gelled version of Cyclopentasiloxane that combines a lighter feel with high gloss and substantivity.**

**Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents. Use this silicone polymer to increase the viscosity of non-polar solvents, thus enhancing the feel and spreadability. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.**

## Applications

- Color Cosmetics
- Sun Care
- Hair Care
- AP/DEO
- Skin Care

### Benefits:

- Provides Enhanced Film Properties to Skin and Hair
- Delivers a Non-Volatile, Regenerating, High Gloss with Extended Wear Profile
- Offers an Elegant, Rich Feeling Film

### Product Specifications:

**Appearance @ 25°C:**  
Clear to Light Straw Colored Viscous Liquid

**Viscosity,cps @ 25°C**  
7,000 – 15,000

**Color (Gardner)**  
1.0 Max.

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

## Suggested Formulation

### Soft Skin Facial Cleanser J1/13B

Phase	Ingredients	INCI Nomenclature	%
A	DI Water	Water	36.2
A	Glycerin	Glycerin	3.0
B	JEELATE ES-270	Sodium Lauryl Sulfate 70%	10.0
B	JEETERIC CDX-38	Disodium Cocoamphocarboxy Glycinate	6.0
B	JEETERIC CAB-LC	Cocoamidopropyl Betaine	6.0
B	JEEMATE 6000DS	PEG-150 Distearate	0.4
B	JEECHEM EGMS	Glycol Stearate	1.0
C	Structure Plus (20% aq)	Acrylates, Aminoacrylates, C10-30 Alkyl PEG-20 Itaconate Copolymer	5.0
C	DI Water	Water	10.0
D	Citric Acid (10%)	Citric Acid	5.0
E	Celquat SC-230M (2% aq)	Polyquaternium-10	10.5
E	Celquat SC-240C (2% aq)	Polyquaternium-10	4.5
F	JEESILC PS-CMLV	Cyclopentasiloxane, Bis-Vinyl Dimethicone/Dimethicone Copolymer	1.0
F	JEECID E CAP-5	Phenoxyethanol, Caprylyl Glycol, Potassium Sorbate, Water, Hexylene Glycol	1.0
G	Matrixyl 3000	Glycerin & Water & Butylene Glycol & Carbomer & Polysorbate-20 & Palmitoyl Oligopeptide & Palmitoyl Tetrapeptide-3	2.0
H	JEECHEM FS-102	Hexylene Glycol, PEG-25 Hydrogenated Castor Oil, PEG-40 Hydrogenated Castor Oil	0.2
H	Fragrance	Fragrance	0.2
I	FD&C #40 (0.2%)	FD&C #40	q.s.
Total			100.0

### Procedure:

1. Heat A to 64-70C
2. Premix Phase B ingredients and add to A. Mix for 15 minutes.
3. Premix C and add to A+B.
4. Add D.
5. Add E one at a time.
6. Cool the batch to 40C.
7. Add Phase F ingredients one at a time and mix well.
8. Add Phase G and mix well.
9. Pre-mix Phase H and add to the batch. Add Phase I and mix well.

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## Product Description

### JEESILC<sup>®</sup> PS-DMLV

**INCI:** Dimethicone, Bis-Vinyl  
Dimethicone/Dimethicone Copolymer

**JEESILC<sup>®</sup> PS-DMLV has the highest refractive index of all the PS Ingredients. This product provides a gloss that will bounce back again and again for lip applications. The substantivness of JEESILC<sup>®</sup> PS-DMLV is sure to boost the film integrity of your formulation, doing so without a drying effect. This film will create a 'moisture barrier' that will keep the skin hydrated, while imparting a conditioning feel.**

**JEESILC<sup>®</sup> PS-DMLV is a clear, non-volatile, viscous liquid with a high concentration of Bis-Vinyl Dimethicone/Dimethicone Copolymer.**

**Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/ Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents by your competition. Use this silicone polymer to increase the viscosity of non-polar solvents, thus enhancing the feel and spreadability. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.**

## Applications

- Color Cosmetics
- Sun Care
- Hair Care
- Skin Care

### Benefits

- Patented, Non-Crosslinked Polymer allows freedom to formulate
- Uniform spread with no balling upon application
- Non-Volatile Gel delivers Silky, Smooth finish
- Low Viscosity Gel allows ease of use for less formulation and production time

### Product Specifications:

**Appearance @ 25°C**  
**Clear to Light Straw Liquid**

### Foreign Matter

**Free of Foreign Matter**

**Viscosity, cps @ 25° C**  
**(Brookfield LVT, Sp.#4, @ 0.6 rpm):**  
**7,000 – 15,000**

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

### Standard Packaging:

**400 lb Drum (181.43 kg)**  
**33 lb Pail (14.96 kg)**

## Suggested Formulation

### Hair Combing Cream J3/67A

Ingredients	INCI Nomenclature	%
DI Water	Water	87.9
Carbopol Ultrez 10	Carbomer	0.5
TEA 99%	Triethanolamine	0.5
Glycerin 99	Glycerin	2.0
Intelimer 8600	C8-22 Alkyl Acrylate/Methacrylic Acid Cross Polymer	4.1
JEESILC <sup>®</sup> DMC 19-3	PEG-12 Dimethicone	0.5
JEESILC <sup>®</sup> PS-DMLV	Dimethicone & Bis Vinyl Dimethicone/Dimethicone Copolymer	2.0
JEEQUAT <sup>®</sup> CT-29	Cetrimonium Chloride	0.5
Botanical's Plus Conditioning Herbal Extract Blend	Arnica (Arnica Montana) Extract & Echinacea (Echinacea Purpurea) Extract & Horsetail Extract & Rosemary Extract	1.0
JEECIDE <sup>®</sup> CAP-5	Phenoxyethanol & Caprylyl Glycol & Potassium Sorbate & Water & Hexylene Glycol	1.0
		100.0

### Procedure:

1. Disperse the Ultrez 10 into water while stirring and mix until fully dispersed for 15 minutes.
2. Add in the TEA and mix well.
3. Add in all other ingredients one at a time and mix well.

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## Product Description

### JEESILC<sup>®</sup> PS-VHLV

*INCI: Isododecane, Bis-Vinyl Dimethicone/Dimethicone Copolymer*

*JEESILC<sup>®</sup> PS-VHLV boasts the lightest feeling gel, while still providing a high gloss profile that is unmatched by any other volatile carrier. Enhance film integrity and improve moisturization with this silicone gel in a manner that maintains comfort to the skin or hair. Minimize the negative effects associated with Isododecane, like defatting skin, by using this polymer. JEESILC<sup>®</sup> PS-VHLV lends itself to enhancing long wear and transfer resistance for color cosmetic applications.*

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## Applications

- Color Cosmetics
- Skin Care
- Sun Care
- Hair Care
- AP/DEO

### Benefits:

- Provides Enhanced Film Properties to Skin and Hair
- Delivers a Volatile Regenerating High Gloss with Extended Wear Profile
- Offers an Elegant Feeling Film

### Product Specifications:

Appearance @ 25°C:  
Clear to Light Straw Colored  
Viscous Liquid

Viscosity,cps @ 25°C:  
7,000 – 15,000

Color (Gardner):  
1.0 Max.

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

## Suggested Formulation

### Matt Concealer Stick J1/7C

Ingredients	INCI Nomenclature	%
Dimethicone 20 cst.	Dimethicone	45.05
JEESILC <sup>®</sup> PS-VHLV	Isododecane and Bis-Vinyldimethicone/Dimethicone Copolymer	15.30
JEENATE <sup>®</sup> 4H	Polyethylene	5.10
JEENATE <sup>®</sup> 5H	Polyethylene	1.30
TiO2 SI	Titanium Dioxide and Methicone	18.10
Spheron L-1500	Silica	6.50
Ganzpearl GPA-550	Nylon 12	6.50
Red Iron Oxide SI	Iron Oxide and Methicone	0.60
Black Iron Oxide SI	Iron Oxide and Methicone	0.35
Yellow Iron Oxide SI	Iron Oxide and Methicone	1.20

### Specifications:

Appearance: Soft, waxy stick

### Procedure:

- 1) Blend all powders in an Osterizer and mix on high for 5 minutes
- 2) Add all oils and waxes to main tank and heat to 75-80C.
- 3) Add powders to oils and waxes and homogenize until smooth.

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Formulating with JEELUX<sup>®</sup> Silicone Esters:  
Featuring: JEELUX<sup>®</sup> VHIPIS, JEELUX<sup>®</sup> DMIPIS



The JEELUX<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

### JEELUX<sup>®</sup> VHIPIS

**INCI:** Isopropyl Isostearate,  
Isododecane, Bis Vinyl  
Dimethicone/Dimethicone Copolymer

### JEELUX<sup>®</sup> DMIPIS

**INCI:** Isopropyl Isostearate,  
Dimethicone, Bis Vinyl  
Dimethicone/Dimethicone Copolymer

*Utilizing plant derived Isopropyl Isostearate, this aids JEELUX VHIPIS and DMIPIS to act as a lubricant on the skins surface, providing a soft and smooth appearance. With options of both Dimethicone and Isododecane solvents, you have the ability to formulate with a volatile or non-volatile carrier.*

*Being a dry Ester, Isopropyl Isostearate combined with either Dimethicone or Isododecane gives you the option to formulate with plenty of 'slip', or just a little 'slip'. These Silicone Ester combinations can also be used as D5 replacements.*

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## Applications

- Color Cosmetics
- Sun Care
- Hair Care
- Skin Care

### Benefits

- Patented, Non-Crosslinked Polymer allows freedom to formulate
- Uniform spread with no balling upon application
- Non-Volatile Gel delivers Silky, Smooth finish
- Low Viscosity Gel allows ease of use for less formulation and production time

### Product Specifications:

Appearance @ 25°C  
Clear to Light Straw Liquid

### Foreign Matter

Free of Foreign Matter

### Viscosity, cps @ 25° C

(Brookfield LVT, Sp.#4, @ 0.6 rpm):

JEELUX VHIPIS: 200 – 1,000

JEELUX DMIPIS: 600 – 800

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

### Standard Packaging:

400 lb Drum (181.43 kg)

33 lb Pail (14.96 kg)

## Suggested Formulation

### Face and Body Lotion J5-55A&B

Phase	Ingredients	INCI Nomenclature%	%A	%B
A	Jeesilc <sup>®</sup> DMC 19	PEG/PPG-18/18 Dimethicone	2.0	2.0
A	Jeechem <sup>®</sup> GMS-165	Glyceryl Stearate/PEG-100 Stearate	4.8	4.8
A	Jeenate <sup>®</sup> 2H	Polyethylene	4.8	4.8
A	Jeelux <sup>®</sup> DMIPIS	Isopropyl Isostearate, Dimethicone & Bis-Vinyl Dimethicone/Dimethicone Copolymer	-	29.6
A	Jeelux <sup>®</sup> VHIPIS	Isopropyl Isostearate, Isododecane, Bis-Vinyl Dimethicone/Dimethicone Copolymer	29.6	-
B	Glycerin	Glycerin	5.7	5.7
B	Water	Water	51.2	51.2
B	Jeeicide <sup>®</sup> CAP-5	Phenoxyethanol, Caprylyl Glycol, Hexylene Glycol, Potassium Sorbate	0.8	0.8
B	Xanthan Gum	Xanthan Gum	1.1	1.1

### Procedure:

- 1) Mix Phase A and heat to 70 – 75°C
- 2) In a separate vessel mix Phase B and heat to 70 – 75°C
- 3) Add Phase B to Phase A and mix
- 4) Cool to room temperature while mixing

You Can Count On Us!.....Clearly your choice for Specialty Polymers.....

# JEEN International Corporation

24 Madison Road  
Fairfield, New Jersey 07004  
Tel#: 973-439-1401  
Fax#: 973-439-1402  
Email: [info@jeen.com](mailto:info@jeen.com)  
Website: [www.jeen.com](http://www.jeen.com)

Formulating with JEELUX<sup>®</sup> Silicone Esters:  
Featuring: JEELUX<sup>®</sup> VHIPM, JEELUX<sup>®</sup> DMIPM



The JEELUX<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

## Applications

## Suggested Formulation

### JEELUX<sup>®</sup> VHIPM

**INCI:** Isopropyl Myristate, Isododecane, Bis Vinyl Dimethicone/Dimethicone Copolymer

### JEELUX<sup>®</sup> DMIPM

**INCI:** Isopropyl Myristate, Dimethicone, Bis Vinyl Dimethicone/Dimethicone Copolymer

*Bis-Vinyl Dimethicone/Dimethicone Copolymer accepts Isopropyl Esters into its gel system! With the addition of Isopropyl Myristate into our Isododecane and Dimethicone gels, you can achieve brand new textures and feels into a variety of applications. JEELUX<sup>®</sup> VHIPM and JEELUX<sup>®</sup> DMIPM will coat the skin or hair leaving behind a lubricious, silky feel that will separate your product from the competition.*

*Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/ Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.*

- Color Cosmetics
- Sun Care
- Hair Care
- Skin Care

### Benefits

- Patented, Non-Crosslinked Polymer allows freedom to formulate
- Uniform spread with no balling upon application
- Non-Volatile Gel delivers Silky, Smooth finish
- Low Viscosity Gel allows ease of use for less formulation and production time

### Product Specifications:

Appearance @ 25°C  
Thick Gel

### Foreign Matter

Free of Foreign Matter

Viscosity, cps @ 25° C  
(Brookfield LVT, Sp.#4, @ 0.6 rpm):

JEELUX<sup>®</sup> DMIPM: 600 – 800

JEELUX<sup>®</sup> VHIPM: 200 – 1,000

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

### Standard Packaging:

450 lb Drum (204.11 kg)

40 lb Pail (18.14 kg)

### Men's After Shave Balm J4-73A&B

Phase	Ingredients	INCI Nomenclature	% A	% B
A	DI Water	Water	86.40	86.40
A	Glycerin 99	Glycerin	3.00	3.00
A	Allantoin	Allantoin	0.10	0.10
A	JEESILC <sup>®</sup> DS-8	PEG-8 Dimethicone	3.00	3.00
B	JEELUX <sup>®</sup> DMIPM	Isopropyl Myristate & Dimethicone & Bis-Vinyl Dimethicone/Dimethicone Copolymer	4.00	-
B	JEELUX <sup>®</sup> VHIPM	Isopropyl Myristate, Isododecane, Bis-Vinyl Dimethicone/Dimethicone Copolymer	-	4.00
B	Pemulen TR-1	Acrylates/ C10-30 Alkyl Acrylate Cross Polymer	0.40	0.40
B	JEEPLEX <sup>®</sup> SFO	Euterpe Oleracea (Acai) Fruit Oil & Punica Granatum (Pomegranate) Seed Oil	1.00	1.00
B	Fragrance LFG-5021	Fragrance	0.30	0.30
C	JEECIDE <sup>®</sup> CAP-5	Phenoxyethanol & Caprylyl Glycol & Potassium Sorbate & Water & Hexylene Glycol	1.00	1.00
D	TEA 99	Triethanolamine	0.80	0.80
E	Citric Acid Adjust pH to 6.0 – 7.0			

### Procedure:

1. Add the water of Phase A to the main tank and mix with prop agitation
2. Add in the Glycerin, Allantoin and Jeesilc DS-8 and mix well.
3. Add Phase B ingredients one at a time to Phase A. Mix for 15 minutes with homogenizing agitation.
4. Switch to prop agitation and add Phase C and mix well.
5. Add Phase D and mix until batch is smooth.
6. Adjust pH with Citric Acid.

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Email: [info@jeen.com](mailto:info@jeen.com)  
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Formulating with JEELUX<sup>®</sup> Silicone Esters:  
Featuring: JEELUX<sup>®</sup> VHIPP, JEELUX<sup>®</sup> DMIPP



The JEELUX<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

## Applications

## Suggested Formulation

### JEELUX<sup>®</sup> VHIPP

**INCI:** Isopropyl Palmitate, Isododecane, Bis Vinyl Dimethicone/Dimethicone Copolymer

### JEELUX<sup>®</sup> DMIPP

**INCI:** Isopropyl Palmitate, Dimethicone, Bis Vinyl Dimethicone/Dimethicone Copolymer

*Enhance your formulations using Isopropyl Palmitate! With the addition of our Bis-Vinyl Dimethicone/Dimethicone Copolymer in solvents of Dimethicone or Isododecane, these Silicone Ester blends will leave your skin softer. Increase moisturization in a volatile or non-volatile carrier. JEELUX<sup>®</sup> VHIPP or JEELUX<sup>®</sup> DMIPP, deciding between our solvents gives you the ability to formulate a heavier or lighter feel, you make the choice!*

*Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/ Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents by your competition. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.*

- Color Cosmetics
- Sun Care
- Hair Care

### Benefits

- Patented, Non-Crosslinked Polymer allows freedom to formulate
- Uniform spread with no balling upon application
- Delivers Silky, Smooth finish
- Low Viscosity Gel allows ease of use for less formulation and production time

### Product Specifications:

Appearance @ 25°C  
Thick Gel

### Foreign Matter

Free of Foreign Matter

### Viscosity, cps @ 25° C

(Brookfield LVT, Sp.#4, @ 0.6 rpm):

JEELUX<sup>®</sup> DMIPM: 800 – 1,200

JEELUX<sup>®</sup> VHIPM: 200 – 1,000

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

### Standard Packaging:

450 lb Drum (204.11 kg)

### Vitamin C Gel Stick Formulation J8-15

Phase	Ingredients	INCI Nomenclature	%A	%B
A	12 Hydroxystearic Acid		5.0	5.0
A	Jeelux <sup>®</sup> VHIPP	Isopropyl Palmitate, Isododecane, Bis Vinyl Dimethicone/Dimethicone Copolymer	-	85.0
A	Jeelux <sup>®</sup> DMIPP	Isopropyl Palmitate, Dimethicone, Bis Vinyl Dimethicone/Dimethicone Copolymer	85.0	-
A	L-Ascorbic Acid	L-Ascorbic Acid	10	10

### Procedure:

- 1.) Place all ingredients in the tank and increase temperature to 75 °C – 80 °C while mixing.
- 2.) Pour at 70 °C-75 °C and let cool.

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Formulating with JEELUX<sup>®</sup> Silicone Esters:  
Featuring: JEELUX<sup>®</sup> V2T, JEELUX<sup>®</sup> D2T



The JEELUX<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

### JEELUX<sup>®</sup> V2T

**INCI:** Triisostearyl Citrate,  
Isododecane, Bis-Vinyl  
Dimethicone/Dimethicone Copolymer

### JEELUX<sup>®</sup> D2T

**INCI:** Triisostearyl Citrate,  
Dimethicone, Bis-Vinyl  
Dimethicone/Dimethicone Copolymer,  
Isohexadodecane

*Improve your film integrity with JEELUX<sup>®</sup> V2T and JEELUX<sup>®</sup> D2T. These Silicone Ester blends produce a "Bonding Matrix" that is strong enough to hold color, actives, sunscreens and emollients in a natural and comfortable manner. The occlusive nature of this material allows for the addition of ingredients that becomes part of the matrix without affecting adhesion or the integrity of the film. This bond will provide sustained integration of actives on to the skin or hair. Lower levels of JEELUX<sup>®</sup> V2T or JEELUX<sup>®</sup> D2T reduce film thickness creating an invisible lasting mesh. Higher levels of JEELUX<sup>®</sup> V2T and JEELUX<sup>®</sup> D2T increase film thickness and provide a HIGH GLOSS layer. With Dimethicone and Isododecane, you have the choice of a volatile or non-volatile JEELUX product that will lay down the most comfortable film on the market.*

## Applications:

- Creams/Lotions
- Make-up
- Moisturizers
- Sun Care
- Lip Care
- Hair Care

### Benefits:

- Ease of use
- Slick feel without tack
- Light feel
- Moisturizing
- Transfer resistant
- Long wear
- Comfortable
- Gentle adhesion

### Product Specifications:

Appearance @ 25°C  
Clear Liquid

Refractive Index @ 25°C:  
1.42 – 1.43

Viscosity, cps @ 25° C  
(Brookfield HB, Sp#4, @ 20 rpm):

JEELUX V2T: 4,500 – 6,500  
JEELUX D2T: 500 – 1,000

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

Standard Packaging:  
450 lb Drum (204.11 kg)  
40 lb Pail (18.14 kg)

## Suggested Formulation

### Jeelux D2T Soft Lipstick J6-95A&B

Phase	Ingredients	INCI Nomenclature	%A	%B
A	Jeelux D2T	Isohexadecane, Dimethicone, Triisostearyl Citrate, Bis-Vinyl Dimethicone/Dimethicone Copolymer	25.0	-
A	Jeelux V2T	Isododecane, Triisostearyl Citrate, Bis-Vinyl Dimethicone/Dimethicone Copolymer	-	25.0
A	Jeechem ISNP	Isostearyl Neopentanoate	3.0	3.0
A	Jeesilc DMBF	Dimethicone, Bis-Vinyl Dimethicone/Dimethicone Copolymer	10	10
A	Avocado Oil	Avocado (Persea Gratiima) Oil	4.0	4.0
A	Jeesilc 282	Amodimethicone	0.5	0.5
A	Permethyl 101A	Isohexadecane	10.0	10.0
A	Lexfeel 7	Neopentyl Glycol Diheptanoate	14.5	14.5
A	Lexfeel 350	Dipentaerythryl Hexa C5-C9 Acid Ester	5.0	5.0
B	CASID HSA	12 Hydroxystearic Acid	1.7	1.7
B	Jeenate 5H	Polyethylene	6.0	6.0
B	Jeenate 3H	Polyethylene	2	2
B	JEECIDE® CAP-2	Phenoxyethanol & Caprylyl Glycol & Hexylene glycol	0.2	0.2
C	IN45R7C	Red7 Ca	6.0	6.0
C	INVP75ER	Red Iron Oxide	6.0	6.0
C	INVP75EB	Black Iron Oxide	0.4	0.4
D	Kobomica S-25	Mica	2.7	2.7
D	KTZ Super Silver	Mica (and) TiO2	3	3

### Procedure:

- 1.) Mix Phase A while increasing temperature to 80-85C
- 2.) Add Phase B and mix
- 3.) Add Phase C and mix.
- 4.) Add Phase D and mix.
- 5.) Pour at 80-85C and chill.

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Formulating with JEELUX<sup>®</sup> Silicone-Ester / Emulsifier Blend :  
Featuring: JEELUX<sup>®</sup> D2T Aquabase



The JEELUX<sup>®</sup> line! The latest in our Patented Specialty Silicone Series of Quality Ingredients!

## Product Description

### JEELUX<sup>®</sup> D2T Aquabase

**INCI:** Isohexadodecane Dimethicone, (and) Triisostearyl Citrate, Bis-Vinyl Dimethicone / Dimethicone Copolymer, Polyethylene, Cetyl PEG/PPG-10 Dimethicone

JEELUX<sup>®</sup> D2T Aquabase combines the "Bonding Matrix" of JEELUX<sup>®</sup> D2T in an emulsifier blend. This makes it easy to create silicone emulsions. In stick or in a cream, create solid emulsions that contain high levels of water. Deliver color, actives, sunscreens and emollients in a novel sensorial product form. High water levels allow for higher levels of actives, extracts. The JEELUX<sup>®</sup> D2T Aquabase is a light ester/silicone combination that can substitute for volatile solvents while still providing a very dry but velvety slip.

Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/ Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents. Use this silicone polymer to increase the viscosity of non-polar solvents, thus enhancing the feel and spreadability. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.

## Applications:

- Creams/Lotions
- Make-up
- Moisturizers
- Sun Care
- Lip Care
- Sun Care

Recommended Use Levels:  
7.5 – 12.5 %

### Benefits:

- Ease of use
- Slick feel without tack
- Light feel
- Moisturizing
- Transfer resistant
- Long wear
- Comfortable
- Gentle adhesion
- Refreshing

### General Handling and Storage:

- Store in Clean Dry Area
- Ambient Room Temperature

## Suggested Formulation

### Skin Active Formulation J6-74A JM

Phase	Ingredients	INCI Nomenclature	Supplier	%
A	Jeelux® D2T	Isohexadecane, Dimethicone, Triisostearyl Citrate, Bis-Vinyl Dimethicone/ Dimethicone Copolymer	JEEN Int'l	7.5
A	Jeelux® D2T Aqua Base	Isohexadecane, Dimethicone, Triisostearyl Citrate, Bis-Vinyl Dimethicone/Dimethicone Copolymer, Polyethylene, Cetyl PEG-10 Dimethicone	JEEN Int'l	7.5
A	Jeenate® 5H	Polyethylene	JEEN Int'l	8.0
A	Jeenate® 3H	Polyethylene	JEEN Int'l	2.5
A	Jeesilc® 153	Dimethiconol, Dimethicone	JEEN Int'l	5.0
A	Permethyl 101A	Isohexadecane	Presperse	16.0
A	Jeesilc® 282	Amodimethicone	JEEN Int'l	0.20
A	DI Water	Distilled water		40.5
A	Glycerine	99% Glycerine	JEEN Int'l	5.00
A	Jeecide® CAP-5	Phenoxyethanol & Caprylyl Glycol, Potassium Sorbate & Hexylene glycol	JEEN Int'l	0.80
B	SP-500	Nylon	Kobo	0.50
B	Kobomica S-25	Mica	Kobo	2.00
C	BP – Glucan MC	Beta Glucan MC	Botanicals Plus	0.10
C	BP – Biopeptide SC	Selenium Biopeptide	Botanicals Plus	0.10
C	BP – Ceramide LC S-20	Ceramide/BG/cholesterol/fatty acid	Botanicals Plus	0.20
C	Matrixyl 3000	Glycerin & Butylene Glycol & Water & Carbomer & Polysorbate 20 & Palmitoyl Oligopeptide & Palmitoyl Tetrapeptide-3	Sederma	0.50
C	WE70U	TiO2	Kobo	3.00
C	WE70B	Black IO	Kobo	0.04
C	WE55Y	Yellow IO	Kobo	0.46
C	WE55R	Red IO	Kobo	0.1

### Procedure:

- 1.) Mix Phase A while increasing temperature to 80-85C
- 2.) Mix Phase B in with Phase A until homogenous
- 3.) Add Phase C to mix until homogenous
- 4.) Pour at 80-85C and chill

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Formulating with JEESILC<sup>®</sup> Silicone Emulsifier Blend :  
Featuring: **JEESILC<sup>®</sup> DMBF AQUABASE**



The JEESILC<sup>®</sup> Line! The latest in our Patented Specialty Silicone Series of Quality Ingredients.

## Product Description

### JEESILC<sup>®</sup> DMBF AQUABASE

**INCI:** Dimethicone, (and) Bis-Vinyl Dimethicone / Dimethicone Copolymer, Cetyl PEG/PPG-10 Dimethicone

**JEESILC<sup>®</sup> DMBF AQUABASE is an emulsifier blend dispersed in JEESILC DMBF. This silicone blend can be easily dropped into water making your emulsion formulation simple to produce in both lab and production settings.**

**JEESILC DMBF AQUABASE will create skin conditioning emulsions.**

**In stick or cream formulations; solid emulsions contain high levels of water. Deliver color, actives, sunscreens and emollients in a novel sensorial product form. High water levels allow for higher levels of actives, extracts.**

**Have piece of mind when you formulate! JEEN holds application patents for all ingredients utilizing Bis-Vinyl Dimethicone/ Dimethicone Copolymer, you have the freedom to formulate without infringing on application patents. Use this silicone polymer to increase the viscosity of non-polar solvents, thus enhancing the feel and spreadability. The linear, non-crosslinked nature of the unique Copolymer leads to one of the key benefits-ease of incorporation into the oil phase of emulsions without high shear agitation.**

## Applications:

- Creams/Lotions
- Make-up
- Moisturizers
- Sun Care
- Lip Care
- Sun Care

**Recommended Use Levels:  
7.5 % - 12.5%**

### Benefits:

- Ease of use
- Slick feel without tack
- Light feel
- Moisturizing
- Transfer resistant
- Long wear
- Comfortable
- Gentle adhesion
- Refreshing
- Cold process

### Product Specifications:

**Appearance: Hazy Liquid**

### General Handling and Storage:

- Store In Clean Dry Area
- Ambient Room Temperature

## Suggested Formulation

The JEESILC<sup>®</sup> DMBF AQUABASE can be used to formulate silicone water emulsions. Providing formulators with an easy to use emulsifier blend

### Aquaelastomer 40% H2O, DMBF Formulation J6-89JM

Phase	Ingredients	INCI Nomenclature	%
A	JEESILC <sup>®</sup> DMBF AQUABASE	Dimethicone, Bis-Vinyl Dimethicone/Dimethicone Copolymer, Cetyl PEG/PPG-10 Dimethicone, Dimethiconol	42.0
A	JEECIDE <sup>®</sup> CAP-5	Phenoxyethanol & Caprylyl Glycol, Potassium Sorbate & Hexylene glycol	1.0
A	JEENATE 3H	Polyethylene	3.0
A	JEENATE 5H	Polyethylene	8.0
A	JEESILC PDS 2	Dimethicone	6.0
B	DI WATER	Distilled water	40.0

### Procedure:

- 1.) Mix Phase A while increasing temperature to 80°-85°C
- 2.) Mix Phase B and heat to 80°-85°C
- 3.) Add Phase B to Phase A mix until homogenous
- 4.) Pour at 80°-85°C and chill

### You Can Count On Us!

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## Formulating by Function

### Transfer Resistant

Select a volatile solvent from the following, Isododecane, Cyclomethicone, or a Volatile Dimethicone. Solvents listed in table 1 and ester combinations mentioned in table 2 can be combined to achieve desired results of the dry time, shine, film thickness, level of transfer resistance, and plasticity of the film.

Use levels can range from 5% to 80% with lower levels producing an invisible film, whereas a higher level results in a thicker film.

Suggested products would be:

Jeelux V2T  
Jeesilc-PS VHLV

### Long Wear

A long wear product can be made using a volatile solvent, non-volatile solvent, or a combination of both. Choice of solvent will affect wear, shine, and the tack of the product.

- Wear properties are attributable to the amount of polymer.
- For a shinier product Dimethicone, Isohexadecane, and Phenyl Trimethicone are preferred.

Suggested products would be:

Jeelux V2T, Jeelux D2T, Jeelux DBF2T  
Jeesilc DMLV, Jeesilc VHLV, Jeesilc PTLV

### Plumping

Lip products are typical product forms that claim to have a "plumping" effect. Plumping denotes a consumer's sensation of having a thick, substantive film on their lips. This sensation is easily achieved by using combinations of Jeelux and Jeesilc. Higher viscosity dimethicones are well known for producing very substantive films. A dilatant material increases viscosity when shear is applied. Dimethicones are considered dilatant.

This behavior produces a sensation of thickening when a consumer moves their lips thus leading to a sensation of Plumping.

Suggested products would be:

Jeelux D2T                      Jeelux DBF2T                      Jeesilc DMBF                      Jeesilc VHBF

### Conditioning/Emolliency

*Dimethicones* are very well known skin conditioners. The esters used in the Jeelux's will provide emolliency. The esters provided will afford the formulator with various options. A lighter ester provides for quick penetration whereas a heavier ester allow for an increase in film substantivity. B-VD/DC polymer provides the additional value of providing longer wear.

Suggested products would be:

Jeelux D2T                      Jeelux DBF2T                      Jeelux VHIPP                      Jeelux DMIPP  
Jeelux VHIPM                      Jeelux DMIPM                      Jeelux VHIPIS                      Jeelux DMIPIS  
Jeesilc DMBF                      Jeesilc DMLV                      Jeesilc PTLV

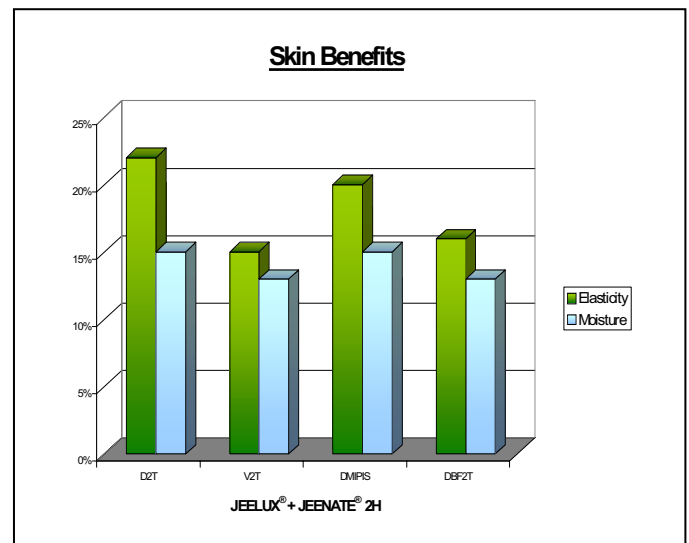
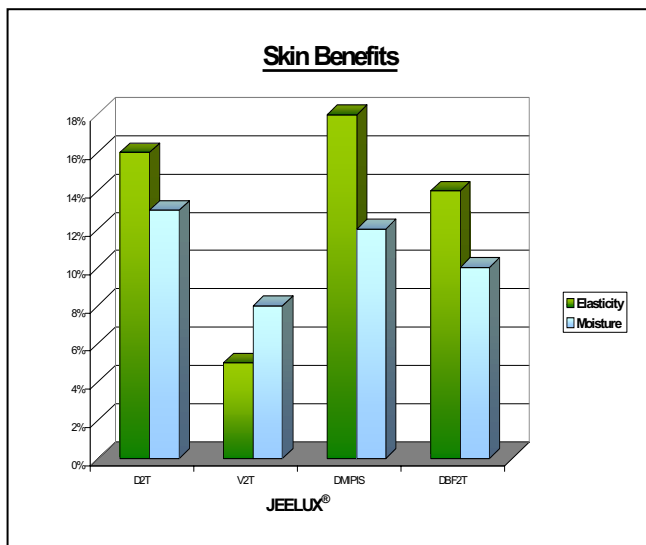
## **Formulating Tips For Bis-Vinyl Dimethicone/Dimethicone Copolymer Products**

1. All Jeelux-PS and Jeelux series contain Bis-Vinyl Dimethicone/Dimethicone Copolymer. Solvents listed in table 1 are soluble in this polymer. This allows the use of these solvents in any Jeelux or Jeelux. If you are using Jeelux-PS VHBF and you want to increase dry time, add Isohexadecane. To decrease dry time, add Isododecane.
2. Ester such as Isopropyl Palmitate, Isopropyl Myristate, and Isopropyl Isostearate are soluble in Jeelux gels and in Jeelux's. Any ester made from Isopropanol would be soluble as well. This can be helpful when trying to manipulate sensorial profiles. Jeelux DMIPIS can be combined with DMLV if a plumping effect is needed.
3. The same polymer in all our systems makes for a very flexible ingredient. Create a formula using a Jeelux or Jeelux. Switch the Jeelux or Jeelux in that formula very easily and change the feel, function and attributes of that formula.
4. Solvent's listed in table 1 can be used to aid in adding ingredients that are not soluble to your formula.
5. Dimethicones of low or high viscosity, volatile or non-volatile can be used.
6. Jeelux and Jeelux are very flexible in performing many functions. Transfer resistant, long wear, plumping, shiny, matte, conditioning, emolliency, active delivery and all are produced with the same polymer.
7. Waxes (natural, synthetic) are compatible. Behenates (glyceryl behenate, behenyl behenate, pentaerythritol behenate) are known for their ability to gel silicone.
8. Dimethiconols in, cyclomethicone or dimethicones, are soluble in the Jeelux or Jeelux Lines.
9. Emulsifiers (non-ionic, anionic, and cationic) can be used.
10. Colorants, pigments and pearlescent ingredients can be used. A pigment wetter can reduce surface tension and increase homogeneity as well as pigment dispersion. Jeelux DMC 19 (PEG/PPG-18/18 Dimethicone) is an excellent choice.
11. Cationic ingredients such as Bentones, or amides can aid in wear properties but will reduce the viscosity of the gel.
12. Fluorosilicone ingredients such as Jeelux F-15 (Perfluorononyl Dimethicone) can aid in long wear properties.
13. Fumed Silica can be used to create mousse/soufflé like textures.
14. Solubility profiles can be developed by mixing ingredient of interest with Jeelux or Jeelux. Start at 10% by weight of ingredient of interest to 90% of Jeelux/Jeelux. If clear, it's soluble. If hazy add solvents from table 1 until sample blend are clear. Continue this process until a solubility profile for ingredient of interest is achieved.

# A NEW PARADIGM IN LONG WEAR PRODUCTS

**JEELUX<sup>®</sup>** Combines the Emolliency of Esters, Conditioning of Dimethicone, and the Gentle Functionality of our **JEESILC<sup>®</sup>** Polymer.

## *Efficacy study of JEELUX<sup>®</sup> and a combination of JEELUX<sup>®</sup> and JEENATE<sup>®</sup>*



## JEELUX<sup>®</sup> Results

- Increase Elasticity and Moisture
  - Caring Long Wear Products
  - Functional as well as Beneficial
  - Can be used in any Product Form
- **JEENATE<sup>®</sup> 2H** Improved Elasticity and Moisture
- Increase Elasticity and Moisture when using Isododecane
  - Ask for our **JEESILC<sup>®</sup> / JEELUX<sup>®</sup>** Formulary Guide

