

# Silk Water

## Primer

Formulation 01912



## Attributes

Smooth Feel  
Powdery Feel  
Non-Tacky Afterfeel  
Fresh Effect  
Moisturizing  
Watery Feel

## Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		Water	Water	51		
A		Ethanol	Ethanol	3		
A		Sodium Chloride	Sodium Chloride	1		
A		Butylene Glycol	Butylene Glycol	5		
A		Glycerin	Glycerin	3		
A		Red No.40	Red No.40	0		
A		Magnesium Sulfate Heptahydrate	Magnesium Sulfate Heptahydrate	0.5		
B		DOWSIL™ MQ-1640 Flake Resin	Trimethylsiloxysilicate (and) Polypropylsilsesquioxane	2		
B		XIAMETER™ PMX-200 Silicone Fluid 2 cSt	Dimethicone	13		
B		DOWSIL™ 556 Cosmetic Grade Fluid	Phenyl Trimethicone	1		
C		DOWSIL™ 5200 Formulation Aid	Lauryl PEG/PPG-18/18 Methicone	1		
C		Caprylic/Capric Triglyceride	Caprylic/Capric Triglyceride	1		
C		Neo Heliopan AV	Ethylhexyl Methoxycinnamate	4		
C		Neopentyl Glycol Diheptanoate	Neopentyl Glycol Diheptanoate	2		
D		Titanium Dioxide (and) Triethoxycaprylylsilane (and) Polyhydroxystearic Acid	Titanium Dioxide (and) Triethoxycaprylylsilane (and) Polyhydroxystearic Acid	1		
D		Zinc Oxide (and) Dimethicone (and) Myristic Acid	Zinc Oxide (and) Dimethicone (and) Myristic Acid	2		
D		Disteardimonium Hectorite	Disteardimonium Hectorite	0.2		
D		DOWSIL™ 9701 Cosmetic Powder	Dimethicone/Vinyl Dimethicone Crosspolymer (and) Silica	1.5		
D		DOWSIL™ EP-9801 Hydro Cosmetic Powder	Dimethicone/Vinyl Dimethicone Crosspolymer	1		

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
			(and) Silica (and) Butylene Glycol			
E		DOWSIL™ EL-7040 Hydro Elastomer Blend	Caprylyl Methicone (and) PEG-12 Dimethicone/ PPG-20 Crosspolymer	6		
F		Fragrance	Fragrance	0.1		
F		Caprylyl Glycol	Caprylyl Glycol	0.2		
F		NEOLONE™ PH 100	Phenoxyethanol	0.5		

# Procedure

Step	Process
1	Mix phase A ingredients together until all ingredients are completely dissolved.
2	Add phase C ingredients one at a time in order to phase B with mixing.
3	Add phase D ingredients one at a time to blend BC with proper stirring, homogenize for 2 min using a high shear device (Silverson,Ultraturrax,...).
4	Add phase E to blend BCD with proper mixing, then homogenize for 2 min with a high shear device (Silverson,Ultraturrax,...).
5	Add slowly phase A to blend BCDE under mixing, homogenize for 3 min under high shear device (Silverson, Ultraturrax,...).
6	Add Phase F ingredients one at a time in order, mix until homogeneous.
7	Mix phase B ingredients together until all ingredients are completely dissolved.
8	Mix for an additional 1 min under high shear device (Silverson, Ultraturrax,...).

## Stability

Stable at least for 5 months at room temperature, 45°C and 50°C.

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