Vegeluron® Gel ECO

Hydrating

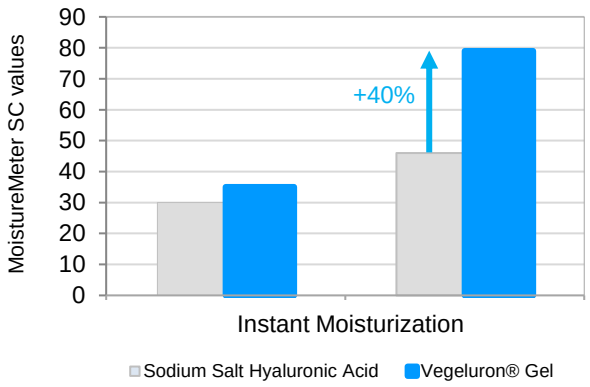
Soft

Transparent

Vegeluron® Gel is a clear colorless viscous gel of a high molecular weight acid polysaccharide from the mushroom Tremella Fuciformis, with superior moisturizing and light film forming properties, protecting the skin from oxidation caused by pollution stress.

Natural Alternative to Hyaluronic Acid

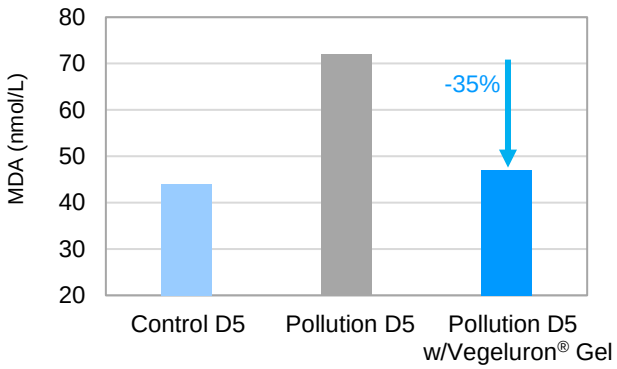
Intense moisturizing and superior water retention effect



+40% compared to Hyaluronic Acid

Skin Protection against Pollution

Defense against skin oxidation caused by Environmental Stress



Forms a protective shield against oxidative pollution

Natural Alternative to Silicones

Delicate film-forming properties and soft touch add **sensorial qualities** to formulations where it confers superior slip and lubricity.

Cosmetic applications

Transparent gels · Eye serums · Gel-creams · Make-up remover
Hydrating skin and hair care · Urban stress protection

Vegeluron® Gel ECO:	*Water/Aqua (&) Propanediol (&) Tremella Fuciformis (Mushroom) Extract* *Preservatives: Gluconolactone (&) Sodium Benzoate*
	Also available variant grades with different solution base and preservative system.
Appearance:	Clear colorless viscous gel
Use level:	3 to 10%
Solubility:	Miscible with water and glycols, not miscible in oils

China Compliant

INTERNATIONAL DEVELOPMENT AND MANUFACTURING

See Disclaimer on reverse.

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Age Defying Eye Serum AP5-16

*In this gel serum, **Vegeluron® Gel** brings lubricity and reduces tackiness while providing instant moisturization and a smoothing effect.*

Phase	Ingredient	Composition	Function	% w/w
A	DI Water			66.17
	Carbomer			0.60
	Triethanolamine			0.48
B	Preservative			0.50
C	Peptides			1.00
	Protelixan® PF [2]	Snail Secretion Filtrate	Skin elasticity	3.00
	Soluble Collagen			0.25
	Vegeluron® Gel [1]	Tremella Fuciformis (Mushroom) Extract solution	Film-forming	7.00
D	DI Water			15.00
	Butylene glycol			2.50
	Thein® MM [1]	Camellia Sinensis Leaf Extract	Depuffing	2.00
E	Panthenol			0.75
	Aloe Vera			0.25
	Skin'ential® HA-FE [1]	Non-animal derived Acetyl Glucosamine	Moisturizer	0.50
Suppliers: 1 MMP 2 Cobiosa		*pH = 4.5-5.5 Viscosity, LV4/12 = 15,000-25,000 cPs*		100.00

Procedure: Warm water to 25-35°C, sprinkle carbomer without agitation. Let polymer completely wet out; gently agitate for 10 minutes. Neutralize with TEA. Mix until completely smooth and clear. Add phase B to A, mix until clear. Add phase C to A/B, mix until homogenous. Premix phase D and heat to 60°C until completely dissolved and clear. Add phase D to A/B/C, mix until homogenous. Add phase E to A/B/C/D.

Facial Firmer AP5-71A

*In addition to moisturizing, **Vegeluron® Gel** provides a soft cushioning effect in this mattifying cream.*

Phase	Ingredient	Composition	Function	% w/w
A	DI Water			76.20
	Phytate MM [1]	Sodium Phytate	Chelating agent	0.10
	Vegeluron® Gel [1]	Tremella Fuciformis (Mushroom) Extract solution	Moisturizer	3.00
	Matte Lite® CF5 [1*]	Multifunctional emulsifier based on Montmorillonite (&) Sucrose Distearate (&) Sucrose Stearate	Mattifying emulsifier	3.28
B	**Clearocast® 600** [1]	Natural alternative to silicone	Sensory enhancement	8.00
	Clary Sage FE [1]	Sclareolide	Slimming	1.00
	Cetyl Alcohol 98 [1]	Cetyl Alcohol	Co-emulsifier	1.73
C	**Botaderm® ECO** [1]	Hops, Kigelia, & Clover extracts	Firming	3.00
	Flav'ential® AGE [1]	Pueraria Lobata Root Extract (&) Eucommia Ulmoides Leaf Extract	Anti-glycation	3.00
	Preservative			0.70
Supplier: 1 MMP		*pH = 6.0-7.0 Viscosity, LV4/12 = 5,000-10,000 cPs*		100.00

Procedure: In a main vessel, combine phase A ingredients under propeller agitation. Once dispersed, homogenize 5 minutes, then continue mixing and heating to 70-75°C. In a separate container, mix and heat phase B to 70-75°C. Add phase B to phase A under high propeller agitation. Homogenize until uniform, then continue mixing and start cooling to ≤ 40°C. At ≤ 40°C, add phase C ingredients, independently and mix until uniform. Cool down to ≤ 32°C and adjust pH, if needed.

** Based on existing MMP, Inc. patented technology.*

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Rinse-Off Conditioner AP6-11A

*In this rich creamy conditioner, **Vegeluron® Gel**, an alternative to silicones, offers hydration and silky softness to hair.*

Phase	Ingredient	Composition	Function	%w/w
A	DI Water			66.35
	Disodium EDTA			0.20
	Clearogel® SG [1]	Sclerotium Gum (Scleroglucan)	Thickener	0.50
B	Propanediol			1.00
	Guar hydroxypropyltrimonium			1.00
C	Cetrimonium chloride			3.00
	Vegeluron® Gel [1]	Tremella Fuciformis (Mushroom) Extract solution	Silicone alternative / Moisturizer	5.00
D	**CrystalCast® MM** [1] *	Based on Sucrose Esters and fatty alcohols	Moisturizing emulsifier	5.00
	Deargania® [2]	Argania Spinosa Kernel Oil	Nourishing	5.00
	Camellia Oil MM [1]	Camellia Oleifera Seed Oil	Nourishing	5.00
	Shea butter			2.50
E	Preservative			0.45
	Kalamansi ECO [1]	Extract based on Citrus Madurensis Fruit Juice	Hair shine	5.00

Suppliers: 1 MMP 2 Cobiosa *pH = 5.0-6.0 Viscosity, LV4/12 = 10,000-20,000 cPs* 100.00

Procedure: Combine phase A ingredients under moderate propeller agitation. Combine phase B in a separate container and mix until uniform. Add phase B to A and homogenize for 5 minutes. Add phase C to A/B, one at a time, while mixing. Start heating to 70-75°C. Combine phase D ingredients in a separate container. Mix and heat to 70-75°C. When both containers are at 70-75°C, add phase D to A/B/C while mixing. Homogenize for 5 minutes. Start cooling to 40°C with moderate propeller mixing. At < 40°C, add phase E. At < 32°C, adjust pH to 5.0-6.0. Shut down.

** This composition is covered by US Patent # 7,754,775 & European Patent # 1756077.*

Strawberry Smile AP5-46

All natural lip balm based on our alternatives to lanolin, petrolatum and hyaluronic acid.

Phase	Ingredient	Composition	Function	% w/w
A	**Sofmetic® GLO** [1]	Vegetal alternative to Petrolatum	Balm base	73.23
	Sofmetic® CB [1]	Natural alternative to Petrolatum	Cushion	6.00
	Vegelane® OL [1]	Vegetal Squalane	Emollient	1.50
B	**Sisterna® A10E-C** [3]	Sucrose Tetrastearate Triacetate	Anti-sweating	3.75
	Palmeride® 38 [1]	Hydrogenated Palm Kernel Glycerides (&) Hydrogenated Palm Glycerides	Thickener	4.00
C	D&C Red 30 Talc Lake			0.02
D	**Vegenolin® SQ** [1]	Vegetal alternative to Lanolin	Nourishing	9.00
	Vegeluron® Gel [1]	Vegetal alternative to Hyaluronic Acid	Moisturizing	1.00
E	Flavor (Strawberry)			1.00
	Tocopherol			0.50

Suppliers: 1 MMP 3 Sisterna 100.00

Procedure: Combine phase A ingredients under moderate propeller mixing and heat to 75-80°C. Add phase B ingredients and mix until completely dissolved. Add phase C and mix until completely dissolved. Start cooling phase A/B/C to 70°C. In a separate vessel, premix phase D ingredients and heat to 70°C, then homogenize until uniform. At 70°C, add phase D premix and phase E ingredients to phase A/B/C, then homogenize until uniform. Pour at 65°C.

These formulations are presented in good faith but with no warranty as to the results, fitness for a particular use or freedom from patent infringement. They are offered solely for your consideration, investigation and verification.

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INTERNATIONAL DEVELOPMENT AND MANUFACTURING

Benefits with Vegeluron® Gel ECO

CHARACTERISTICS	BENEFITS
Mushroom polysaccharide	Natural ingredient
Immediate hydration	Alternative to hyaluronic acid
Very soft touch	Helps give a cushioning feel to formulations
Light film-forming	Protection against environmental stress
Sensory enhancer	Alternative to silicones
Excellent slip	Prolonged play time
Aqueous feel	Decreases polymer tackiness
Compatible with ethanol	Brings hydration to alcoholic lotions
Colorless and transparent	For clear gels and serums
Brings no viscosity	No building effect, ideal for mists
COSMOS certified grade	Natural, green formulations

** Ecocert certified / COSMOS approved grades available*

DISCLAIMER

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