

# Sunshine Spray

AP5-58



MMP

A light and refreshing lotion based on our self-emulsifying base, **CrystalCast® MM**, confers hydration and emolliency, leaving skin soft and smooth.



## CrystalCast® MM

- Liquid Crystal Emulsion base
- Long lasting hydration to the skin
- Enhance ingredient dispersion
- Confers smooth, soft skin feel

A multifunctional self-emulsifying base, naturally forms a dense liquid crystals network which offers a uniform delivery of actives on the skin with moisturizing and sensuous properties.



## Skin'ential® DC

- Skin barrier regulation
- Regulates skin cell differentiation
- Stimulates skin natural antimicrobial peptides

Precursor of Vitamin D<sub>3</sub>, naturally present in the skin, contributes to the skin barrier function and protects against UV damage.



## PolyGlucan ES

- Protection against UV and pollution damages
- Maintenance of Langerhans cells
- Stimulation of keranocytes

A gel based on purified yeast Beta-1,3/1,6 glucan with protective activity against environmental stress from UV radiation and pollution exposure.



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### Formulation Guidelines

Phase	Ingredient	Composition	Function	%w/w
A	DI Water			82.50
	Tetrasodium EDTA			0.05
	<b>PolyCast® 3<sup>1</sup></b>	Polyglycerin-3	Humectant	3.00
	<b>Vegeluron® Gel<sup>1*</sup></b>	Tremella Fuciformis (Mushroom) Extract solution	Hydration	1.00
	Xanthan Gum			0.15
	<b>Clearogel® SG<sup>1</sup></b>	Sclerotium Gum (Scleroglucan)	Thickener	0.15
	<b>Matte Lite® SC<sup>1</sup></b>	Montmorillonite	Absorbent	0.70
B	<b>Vegelane® OL<sup>*1</sup></b>	Vegetal Squalane	Sensory enhancer	1.75
	<b>CCT 132<sup>*1</sup></b>	Caprylic/Capric Triglycerides	Emollient	0.75
	<b>Camellia Oil MM<sup>1</sup></b>	Camellia Oleifera Seed Oil	Moisturizing	0.25
	<b>CrystalCast® MM<sup>1**</sup></b>	Beta-Sitosterol (& Sucrose Sterate (& Sucrose Distearate (& Cetyl Alcohol (& Stearyl Alcohol	Moisturizing emulsifier	2.00
C	DI Water			5.00
	<b>PolyGlucan ES<sup>1</sup></b>	Based on Yeast Beta-Glucan	Anti-inflammatory	1.00
D	<b>Skin'ential® DC 5DL<sup>1</sup></b>	7-Dehydrocholesterol 5% solution	Skin nourishing	1.00
	Preservative			0.70

Supplier: 1 MMP

pH = 6.5-7.5 Viscosity, LV3/30 = 1,000-5,000 cPs

100.00

#### Procedure:

1. Combine phase A ingredients under propeller mixing and heat to 40-45°C, then homogenize 5 minutes.
2. Mix and heat phase B to 70-75°C.
3. At 70-75°C, add phase B to phase A under high propeller agitation, then homogenize until uniform.
4. Continue with moderate mixing and cool down to 40-45°C.
5. Premix phase C, then homogenize until completely dispersed.
6. Add phase C to phase A/B, then add phase D ingredients, independently.
7. Cool down to < 32°C.



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