Rejuvenating BB Creams

ASTON FW139/03 and FW139/04

These BB Creams have a light, powdery application and give an estimated, broad spectrum SPF 15 along with a soft, non-greasy after-feel. FW139/04 contains a higher level of emulsifiers than FW139/03, giving it a slightly richer feel.

Containing:

- **Hybrid AB -** Hybrid AB is 30% Avobenzone encapsulated in 70% polymer microsphere. This improves the compatibility and stability of avobenzone and also provides the sensorial benefits of microspheres.
- **Aminol LGDS** and **Romol AFSK** – Mild emulsification system which forms a liquid crystal structure that can help improve moisturisation.
- **MFCI Organic UV Filters –** MFCI is a US FDA-approved manufacturer of UV absorbers. They supply a wide range of high quality, UV absorbing ingredients that are perfect for sun care products.

ASTON CHEMICALS

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PHASE	INGREDIENT	SUPPLIER	%	COMPOSITION	FUNCTION
A1	**D.I. WATER**	-	To 100	Aqua	Solvent
A2	**GLYCERIN**	-	3.00	Glycerin	Humectant
A2	**XANTHAN GUM**	-	0.10	Xanthan Gum	Rheology modifier to aid stability
B	**AMINOL LGDS**	Aston/ Eleco	1.20 or 1.50	Distearyl Lauroyl Glutamate	An emulsifier with the ability to form liquid crystal structures due to its structural similarity to ceramides
B	**ROMOL AFSK**	Aston/ Eleco	0.80 or 1.00	Potassium Cetyl Phosphate	An emulsifier that forms a water resistance film giving formulations a longer lasting effect
B	**LIPEX SHEALIGHT**	AAK	8.00	Shea Butter Ethyl Esters	Eco-designed shea butter ester with excellent spreadability and non-greasy feel. Great oil-solubilising properties
B	**PERFORMA V825**	Aston/ New Phase	2.50	Synthetic Wax	Polyalphaolefin wax that improves viscosity, reduces greasiness and undesirable shininess
B	**MFSORB 505**	Aston/ MFCI	4.50	Ethylhexyl Methoxycinnamate	Organic UVB filter that has a nice feel
B	**MFSORB 104**	Aston/ MFCI	3.50	Octocrylene	Organic UVA and UVB filter and can help stabilise Avobenzone
B	**FELIGEL-305S**	Aston/ DX Chemical	0.50	Hydroxylethyl Acetate/ Sodium Acryloyldimethyl Taurate Copolymer	An effective aqueous thickener that is used to help stabilise emulsions
C	**HYBRID AB**	Aston/ Sunjin	6.00	Polymethyl Methacrylate, Butyl Methoxydibenzoylmethane	Hybrid AB is 30% Avobenzone encapsulated in 70% polymer microsphere
D	**GLW75PFSP**	Aston/ Kobo	2.21	CI 77891 (Titanium Dioxide), Aqua, Glycerin, Sodium Polyacrylate, Cellulose Gum	White pigment dispersion (goes into external water phase)
D	**GLW55GRSP**	Aston/ Kobo	0.13	CI 77491 (Red Iron Oxide), Aqua, Glycerin, Sodium Polyacrylate, Cellulose Gum	Red pigment dispersion (goes into external water phase)
D	**GLW45GYSP**	Aston/ Kobo	0.53	CI 77492 (Yellow Iron Oxide), Aqua, Glycerin, Sodium Polyacrylate, Cellulose Gum	Yellow pigment dispersion (goes into external water phase)
D	**GLW60GBSP**	Aston/ Kobo	0.03	CI 77499 (Black Iron Oxide), Aqua, Glycerin, Sodium Polyacrylate, Cellulose Gum	Black pigment dispersion (goes into external water phase)
E	**SUPEROX-C**	Southern Cross Botanicals	2.00	Glycerin, Aqua, Terminalia Ferdinandiana Fruit Extract	Extract of Kakadu Plum, the world's richest source of vitamin C. It is an active ingredient for skin rejuvenation.
E	**EUXYL PE9010**	Schülke & Mayr	0.50	Phenoxyethanol, Ethylhexylglycerin	Preservative

METHOD

1) Premix A2s and add to A1 whilst propeller stirring, then heat to 60-65°C with propeller stirring.
2) Combine Bs and heat to 60-65°C, ensure adequate dispersion of Romol AFSK and Feligel-305s as they will solubilise when the emulsion forms.
3) Homogenise B into A at 6000rpm for 5 minutes.
4) Add C whilst still hot, with stirring until evenly distributed.
5) Premix Ds in correct ratio and add with stirring until homogenous.
6) Allow the formulation to cool, add Es, one at a time, with stirring until homogenous.