



# Effortless Sun Spray

ASTON FW140/12

A light, sprayable sun screen that gives estimated broad spectrum SPF 30 protection.

With a very quick, pleasant and effortless application, this formulation will have you enjoying the sun in no time!

The sun protection is boosted by Romol AFSK, an oil-in-water emulsifier which forms a water resistant film on the skin, providing longer-lasting protection.



Containing:

- **Elefac I-205** – An emollient with a light, dry skin feel. Elefac I-205 is great at solubilising oils so is particularly recommended for use in sun care products.
- **Romol AFSK** – An extremely mild, oil-in-water emulsifier that forms a water-resistant film on the skin. This gives formulations synergistic SPF benefits.
- **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.

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PHASE	INGREDIENT	SUPPLIER	%	COMPOSITION	FUNCTION
A1	<b>D.I. WATER</b>	-	58.30	Aqua	Solvent
A2	<b>GLYCERIN</b>	-	3.00	Glycerin	Humectant, helps with xanthan gum dispersion
A2	<b>XANTHAN GUM</b>	-	0.20	Xanthan Gum	Water phase stabiliser
B	<b>ELEFAC I-205</b>	Aston/ Alzo	15.00	Octyldodecyl Neopentanoate	An emollient with a light, dry skin feel. Particularly recommended for use in sun care products
B	<b>MFSORB 502</b>	Aston/ MFCI	3.00	Butyl Methoxydibenzoylmethane	Organic UV filters for sun protection
B	<b>MFSORB 104</b>	Aston/ MFCI	8.00	Octocrylene	
B	<b>MFSORB 503</b>	Aston/ MFCI	5.00	Ethylhexyl Salicylate	
B	<b>MFSORB 202</b>	Aston/ MFCI	8.50	Benzophenone-3	
B	<b>AMINOL LGDS</b>	Aston/ Eleco	1.00	Distearyl Lauroyl Glutamate	
B	<b>ROMOL AFSK</b>	Aston/ Eleco	2.00	Potassium Cetyl Phosphate	Ionic, extremely mild O/W emulsifier that forms a water resistance film providing synergistic SPF benefits
C	<b>EUXYL PE9010</b>	Schülke & Mayr	0.50	Phenoxyethanol, Ethylhexylglycerin	Preservative

## METHOD

- 1) Premix A2s and add to A1 whilst propeller stirring.
- 2) Heat phase A to 60-65°C with propeller stirring.
- 3) Combine Bs and heat to 60-65°C, ensure adequate dispersion of Romol AFSK as it will solubilise when the emulsion forms.
- 4) Homogenise B into A at 6000rpm for 5 minutes.
- 5) Allow to cool to room temperature with paddle stirring, add C and mix until homogenous.

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