

Sun Protection Spray SPF15

Stabilised with Glucovis 50 Natural Rheology Modifier, and including Thalitan Tan enhancing free-radical scavenger.

Supplier	Trade Name	INCI	%w/w
1	Glucovis 50	Mannan (and) Xanthan Gum	0.2
1	Glycerine	Glycerin	2
1	Ercanol 1802	Steareth-2	1.5
1	Ercanol 1821	Steareth-21	1.5
2	Parsol MCX	Octyl Methoxycinnamate	3
2	Parsol 1789	Butyl Methoxydibenzoylmethane	3
1	Ercarel B-125	C12-15 Alkyl Benzoate	12
2	Parsol 5000	4-Methylbenzylidene Camphor	0.8
1	Thalitan	Hydrolysed algin (and) Magnesium sulfate (and) Manganese Sulfate	2
1	Uniphen P-23	Methyl paraben (and) propyl paraben (and) ethyl paraben (and) butyl paraben (and) phenoxyethanol	0.5
1	Baypure CX-100	Tetrasodium Iminodisuccinate	0.02
3	Perfume	Parfum	0.2
3	Denatured ethanol	Alcohol	5
3	Purified water	Aqua	to100%

Method

- 1) Add Baypure to the water and heat to 80-85°C in the main mixing vessel.
- 2) Create a vortex and slowly add Glucovis 50 using high speed stirring.
- 3) Maintain the temperature throughout incorporation.
- 4) Once incorporated, maintain temperature and stir for 20 minutes at high speed to fully hydrate.
- 5) Disperse the UV filters in the Alkyl Benzoate and mix until uniform. Heat this together the other oil phase ingredients to 70°C until melted and uniform.
- 6) Add the oil phase to the aqueous phase using a homogeniser. Shear for 5-10 minutes until smooth and uniform.
- 7) Cool with paddle stirring to 40°C and add the perfume, Uniphen, Thalitan and denatured ethanol.
- 8) Make to weight with purified water and paddle stir down to room temperature.

Suppliers:

1. Chesham Speciality Ingredients Ltd
2. DSM
3. Various