

PROTECTIVE SUN O/W CREAM - SPF 20

Ref. F-11/W-0143/07



TRADE NAME (INCI)	FUNCTION	SUPPLIERS	% w/w
A			
Massocare MILK3 (Caprylic/capric Triglyceride, Triethylhexanoin, Glycerin, Polyperfluoroethoxymethoxy Difluoroethyl PEG Phosphate)	concentrated o/w emulsion	(1)	33.50
B			
Avis (Butyl Methoxydibenzoylmethane)	chemical sunscreen (UVA)	(2)	4.00
Cinnamon (Ethylhexyl Methoxycinnamate)	chemical sunscreen (UVB)	(2)	2.00
Etone (Ethylhexyl Triazone)	chemical sunscreen (UVB)	(2)	3.00
Octyne-B (Octocrylene)	chemical sunscreen (UVB)	(2)	3.00
C			
Water up to (Aqua)	solvent		100.00
Betafin BP20 (Betaine)	moisturising	(3)	3.00
D			
Massocare TCK A1 (Sodium Polyacrylate, Paraffinum Liquidum, Trideceth-6)	rheology modifier	(1)	1.00

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APPEARANCE : white shiny cream

SPECIFICATIONS :

Viscosity : 23.340 mPa·s (Brookfield LVT, Spindle B, 12 rpm) 26°C

pH : 6.00

PROCEDURE (semi-cold process) :

1. Heat phase B to 55-60°C and mix well till obtaining an homogeneous phase
2. Mix phase A and phase B whilst stirring moderately (400 rpm)
3. Add phase C to AB keepig moderate stirring (400 rpm)
4. Homogenise phase ABC for 1½ minutes (Silverson: 3.000 rpm)
5. Add phase D to ABC and homogenise for 1½ minutes more (Silverson: 3.000 rpm)
6. Stir for 15 minutes more whilst stirrng slowly (200- 250 rpm)
7. Adjust final pH to 6.00- 6.50, if necessary

KEY INGREDIENTS :

Massocare MILK3 - concentrated o/w emulsion for sprayables, milks and creamy-gels

Betafin BP20 - ecocert-compliant moisturiser, organic osmolyte

Massocare TCK A1 - ready-to-use thickener and stabiliser

SUPPLIERS :

(1) Cial. Química Massó - (2) Vivimed - (3) Dupont