

# Sun Cream\*

Daily sun cream to protect and moisturise skin. Contains *Texique HE10* as a co-emulsifier, stabiliser and rheology modifier.

Personal Care  
from Scott Bader

## Formulation reference: FM00116/D

Phase	Trade Name	INCI Ingredients	Function	% w/w	Supplier
A	Deionised Water	Aqua	Solvent	Up to 100%	
	Edeta BX Powder	Tetrasodium EDTA	Chelating Agent	0.05	BASF
B	Pricerine 9091	Glycerin	Humectant/ Moisturising	5.00	Croda
	Citric Acid Monohydrate	Citric Acid	pH Adjuster	0.08	Univar
C	Agenaflo OS 9051	Aluminum Starch Octenylsuccinate	Softening/ Texturising Agent	1.00	Azelis
D	Syncrowax HRC	Tribehenin	Wax/ Viscosity Agent	2.50	Croda
	Tego Care 450	Polyglyceryl-3 Methylglucose Distearate	Emulsifier	1.50	Evonik
	Cetiol SB 45	Butyrospermum Parkii (Shea) Butter	Butter / Skin Softening / Moisturising	0.50	BASF
	Parsol 1789	Butyl Methoxydibenzoylmethane	UVA Sunscreen	3.75	DSM
	Uvasorb HEB	Diethylhexyl Butamido Triazone	UVB Sunscreen	0.50	3V Sigma
	Antaron V-220F	VP/Eicosene Copolymer	Film Former / Water Resistance	2.00	Ashland
	Q-SORB PC 3039	Octocrylene	UVB Sunscreen	2.25	OQEMA
	C12-15 Alkyl Benzoate	C12-15 Alkyl Benzoate	Solvent	13.00	OQEMA



### Method

1. Weigh out phase A and mix until completely dissolved.
2. Add phase B and mix until dissolved and uniform. Heat to 75°C.
3. At temperature, slowly add phase C whilst homogenising gently. Mix until dispersed. Re-heat to 80°C.

Daily sun cream to protect and moisturise skin. Contains *Texique HE10* as a co-emulsifier, stabiliser and rheology modifier.

Phase	Trade Name	INCI Ingredients	Function	% w/w	Supplier	Method
	Naissance 210 Grapeseed	Vitis Vinifera (Grape) Seed Oil	Emollient/ Skin Softening	0.50	Naissance	
	Tego SML 20 MB	Polysorbate 20	Emulsifier/ Surfactant	0.30	Evonik	
E	Phenoxyethanol RCH	Phenoxyethanol	Preservative	0.60	Ashland	
	Amphisol K	Potassium Cetyl Phosphate	Emulsifier	0.02	DSM	
F	Dowsil CB-1556 Fluid	Phenyl Trimethicone (and) Dimethiconol	Film Former/ Skin Feel	0.67	Dow	
	Tinsorb M	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol (and) Aqua (and) Decyl Glucoside (and) Propylene Glycol (and) Xanthan Gum	Broad Spectrum Sunscreen	2.25	BASF	
G	Texique HE10	<b>Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) C13-15 Alkane (and) Coco-Glucoside</b>	<b>Thickener/ Emulsifier</b>	<b>1.33</b>	<b>Scott Bader</b>	
H	Denatured Ethanol	Alcohol Denat.	Cooling Agent	5.00	Ineos	
I	Coconut Honey 16217/22	Parfum	Fragrance	0.50	The Soap Kitchen	

4. Weigh out phase D and heat to 80°C. At temperature, add phase E and mix until dispersed
5. Add oil phase to water phase whilst homogenising. Homogenise until smooth and uniform.
6. Whilst homogenising, gently add phase F and mix until dispersed.
7. Cool to below 40°C with slow mixing.
8. At below 40°C add phase G and stir to distribute. Homogenise gently to achieve smooth thick emulsion.
9. Add phase H slowly in stages with mixing. Mix until uniform. Add phase I and mix until uniform.
10. Adjust to pH 5.50 – 6.50

\*Formulated to European regulations for sunscreen levels

The information in this publication is based on laboratory testing and is believed to be accurate and is given in good faith, but no representation or warranty as to its completeness or accuracy is made. Suggestions for uses or applications are only opinions and are not intended for design purposes. Users are responsible for determining the suitability of these products for their own particular purpose and assume all risk and liability whether used singly or in combination with other materials. No representation or warranty, expressed or implied, is made with respect to information or products including, without limitation, warranties of merchantability, fitness for a particular purpose, non-infringement of any third-party patent or other intellectual property rights.