

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/F

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	3.00	DSM
	Uvasorb HEB	Diethylhexyl Butamido Triazone	UVB Sunscreen	0.50	3V Sigma
	Antaron V-220F	VP/ Eicosene Copolymer	Film Former/ Water Resistancy	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.



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	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	0.80	Dow
	Tinosorb M	Methylene BisBenzotriazolyl Tetramethylbutylphenol (and) Aqua (and) Decyl Glucoside (and) Propylene Glycol (and) Xanthan Gum	Broad spectrum sunscreen	2.25	BASF
G	Texique HE10	Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (and) C13-15 Alkane (and) Coco-Glucoside	Thickener/ Emulsifier	1.30	Scott Bader
H	Denatured Ethanol	Alcohol Denat.	Cooling Agent	5.00	Ineos
I	Coconut Honey 16217/22	Parfum	Fragrance	0.50	The Soap Kitchen

Method

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

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