

REEF-SAFE SUNSCREEN (SPF 50 UVA 22)

CODE 01LP17082101

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	TRADE NAME	INCI NAME	%	FUNCTION	SUPPLIER
A	DEIONIZED WATER	Water	qsp	Vehicle	-
	DERMOFEEL PA	Phytic Acid (and) Water	0.1	Chelator	Cosmotec
B	CARBOGREEN QB	Zea Mays (Corn) Starch (and) Caesalpinia Spinosa Gum (and) Algin	2.0	Velvety Sensory, Dry Touch, Spreadability, Thickener, Viscosity Controller and Film Forming	ASSESSA
	PLUGIN GS	Hispanica (Chia) Seed Extract (and) Helianthus annuus (Sunflower) Seed Oil (and) Simmondsia Chinensis (Jojoba) Seed Oil (and) Isopropyl Palmitate, C13-15 Alkane (and) Tocopheryl Acetate	15.0	Spreadability, Fast Drying and Silicone Alternative	ASSESSA
C	TINOSORB S	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2.0	UV Filter (UVA and UVB)	BASF
	UVINUL A PLUS	Diethylamino Hydroxybenzoyl Hexyl Benzoate	6.0	UVA Filter	BASF
	UVINUL T150	Ethylhexyl Triazone	2.0	UVB Filter	BASF
	TINOSORB A2B	Tris-Biphenyl Triazine (and) Aqua (and) Decyl Glucoside (and) Butylene Glycol (and) Disodium Phosphate (and) Xanthan Gum	8.0	UVA and UVB Filter UVA II Visible Light	BASF
	SALICILATO ETHILHEXILA	Ethylhexyl Salicylate	4.5	UVB Filter	BASF
	VITAMIN E	Tocopherol	0.5	Antioxidant	BASF
	DRACORIN GOC	Glyceryl Oleate Citrate (and) Caprylic/ Capric Triglyceride	4.0	Emulsifier	Symrise
D	OPTIPHEN BSB N	Benzyl Alcohol (and) Glycerin (and) Benzoic Acid (and) Sorbic Acid	1.0	Preservative	Ashland

PROCEDURE: Add phase **A** in a recipient and start to stir till dissolution. Add gradually phase **B** at room temperature with stir, heat till 80 °C. Add phase **C** in a recipient and heat till 80 °C. When both phases are at 80 °C, add phase **C** in a mix of phases **A+B**. Stir for 5 min with ultra turrax. Start to cool. After 30 °C add phase **D**. (pH: 6.5 – 7.5)

Formulation developed and tested in our laboratories with the ingredients and quantities described. ASSESSA is not responsible for changes that may occur due to adaptations without additional tests.