

Face Protection 5600 EU

W-in-Oil Skin Cream

Formulation 01917



Attributes

Wash-Off Resistance
Light Feel
SPF 45 (In-Vitro)

Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	Bis-Ethylhexyloxyphenol Methoxyphenyl Triazine	2		
A		Neo Heliopan OS	Persea Gratissima (Avocado) Oil	4.5		
A		Neo Heliopan AV	Ethylhexyl Methoxycinnamate	4.5		
A		Butyl Methoxydibenzoylmethane	Butyl Methoxydibenzoylmethane	1		
B		XIAMETER™ PMX-200 Silicone Fluid 5 cSt	Dimethicone	2		
B		C12-15 Alkyl Benzoate	C12-15 Alkyl Benzoate	6		
B		Dicaprylyl Carbonate	Dicaprylyl Carbonate	0.8		
B		DOWSIL™ FZ-3196 Fluid	Caprylyl Methicone	2.5		
B		DOWSIL™ ES-5600 Silicone Glycerol Emulsifier	Diglyceryl Tris(Trimethylsiloxy)silylethyl Dimethicone	5.5		
B		DOWSIL™ EL-9240 Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	4		
B		DOWSIL™ 556 Cosmetic Grade Fluid	Phenyl Trimethicone	1		
C		Water	Water	54.9		
C		Sodium Chloride	Sodium Chloride	1		
C		Glycerin	Glycerin	5		
D		Methylene Bis-Benzotriazolyl Tetramethylbutylphenol	Methylene Bis-Benzotriazolyl Tetramethylbutylphenol	5		
E		Phenoxyethanol (and) Ethylhexylglycerin	Phenoxyethanol (and) Ethylhexylglycerin	0.3		

Procedure

Step	Process
1	Mix phase A ingredients and heat to 85°C for 10 min.
2	Premix phase B until homogeneous.
3	Add phase A to phase B with gentle mixing.
4	Cool to RT.
5	Premix phase C until homogeneous.
6	Slowly add phase C to blend AB under turbulent mixing.
7	Mix for an additional 5 minutes at 2000 rpm.
8	Add phase D and mix at 2000 rpm for 5 minutes.
9	Homogenize using a high shear mixer.
10	Add phase E while mixing.

Stability

Stable for at least 3 months at room temperature and 40°C.

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