

Sport Fun

W-in-Oil Skin Cream

Formulation 02408



Attributes

Long Lasting
 Light Feel
 Sebum Absorption
 SPF 50 (In-Vitro)
 UVA Protection
 Non-Tacky & Non-Greasy
 Transforming Color - Light Coverage
 Contains Actives Against IR/Blue Light

Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		Neo Heliopan AV	Ethylhexyl Methoxycinnamate	7.5		
A		Neo Heliopan 357	Butyl Methoxydibenzoylmethane	3		
B		DOWSIL™ FZ-3196 Fluid	Caprylyl Methicone	3		
B		DOWSIL™ MQ-1600 Solid Resin	Trimethylsiloxysilicate	3		
C		DOWSIL™ 5300 Formulation Aid	Lauryl PEG-10 Tris(Trimethylsiloxy)silylethyl Dimethicone	3		
C		C12-15 Alkyl Benzoate	C12-15 Alkyl Benzoate	7		
C		Isohexadecane	Isohexadecane	2		
C		Isononyl Isononanoate	Isononyl Isononanoate	3		
C		DOWSIL™ EL-9241 DM Silicone Elastomer Blend	Dimethicone (and) Dimethicone Crosspolymer	4		
C		DOWSIL™ VM-2270 Aerogel Fine Particles	Silica Silylate	0.5		
C		Disteardimonium Hectorite	Disteardimonium Hectorite	0.3		
D		Water	Water	27.9		
D		Sodium Citrate	Sodium Citrate	0.2		
D		Triethanolamine	Triethanolamine	2.5		
D		Neo Heliopan Hydro	Phenylbenzimidazole Sulfonic Acid	3		
D		Water (and) Propanediol (and) Buddleja Officinalis Flower Extract	Water (and) Propanediol (and) Buddleja Officinalis	0.5		
D		Sodium Chloride	Sodium Chloride	0.5		
E		Propylene Glycol	Propylene Glycol	5		
E		Styrene/Acrylates Copolymer	Styrene/Acrylates Copolymer	19.6		
E		Phenoxyethanol (and)	Phenoxyethanol (and)	1		

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
		Ethylhexylglycerin	Ethylhexylglycerin			
F		Fragrance	Fragrance	0.5		
G		C.I. 77499 (and) Titanium Dioxide (and) Acrylates/Ammonium Methacrylate Copolymer (and) Cellulose Acetate (and) Magnesium Stearate (and) Propylene Glycol Stearate	C.I. 77499 (and) Titanium Dioxide (and) Acrylates/Ammonium Methacrylate Copolymer (and) Cellulose Acetate (and) Magnesium Stearate (and) Propylene Glycol Stearate	0.4		
G		C.I. 77491 (and) Titanium Dioxide (and) Acrylates/Ammonium Methacrylate Copolymer (and) Cellulose Acetate (and) Magnesium Stearate (and) Propylene Glycol Stearate	C.I. 77491 (and) Titanium Dioxide (and) Acrylates/Ammonium Methacrylate Copolymer (and) Cellulose Acetate (and) Magnesium Stearate (and) Propylene Glycol Stearate	0.9		
G		C.I. 77492 (and) Titanium Dioxide (and) Acrylates/Ammonium Methacrylate Copolymer (and) Cellulose Acetate (and) Magnesium Stearate (and) Propylene Glycol Stearate	C.I. 77492 (and) Titanium Dioxide (and) Acrylates/Ammonium Methacrylate Copolymer (and) Cellulose Acetate (and) Magnesium Stearate (and) Propylene Glycol Stearate	1.7		

Procedure

Step	Process
1	Mix ingredients of phase A together and heat to 85°C for few minutes until homogeneous. Let cool down to room temperature.
2	Mix ingredients of phase B together until homogeneous.
3	Add phase B to phase A.
4	Add phase C ingredients in order listed to phase AB and mix until homogeneous.
5	Mix ingredients of phase D until homogeneous.
6	Add phase E ingredients to phase D and mix.
7	Add slowly phase DE to phase ABC.
8	Add phase F to phase ABCDE with mixing.
9	Mix for 5 minutes at 2000 rpm.
10	Very slowly and carefully mix ingredients of phase G together.
11	Very slowly and carefully add phase G to phase ABCDEF.

Stability

Stable for at least 1 month at room temperature and 50°C.

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