

Suncare

Formulation 01927



Attributes

W-in-Si + Oil Emulsion
Baby Sun Care
Contains Mineral Sunfilters
PEG-Free Formulation

Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		DOWSIL™ ES-5600 Silicone Glycerol Emulsifier	Diglyceryl Tris(Trimethylsiloxy)silylethyl Dimethicone	5.5		
A		C12-15 Alkyl Benzoate	C12-15 Alkyl Benzoate	2		
A		Dicaprylyl Carbonate	Dicaprylyl Carbonate	2		
A		Isohexadecane	Isohexadecane	2		
A		DOWSIL™ FZ-3196 Fluid	Caprylyl Methicone	10.5		
A		XIAMETER™ PMX-200 Silicone Fluid 5 cSt	Dimethicone	3		
A		DOWSIL™ 556 Cosmetic Grade Fluid	Phenyl Trimethicone	2		
B		Water	Water	46.7		
B		Sodium Chloride	Sodium Chloride	1		
B		Glycerin	Glycerin	5		
C		Titanium Dioxide (and) Aluminum Hydroxide (and) Silica (and) Dimethicone	Titanium Dioxide (and) Aluminum Hydroxide (and) Silica (and) Dimethicone	20		
D		Phenoxyethanol (and) Ethylhexylglycerin	Phenoxyethanol (and) Ethylhexylglycerin	0.3		

Procedure

Step	Process
1	Mix phase A ingredients until homogeneous.
2	Add phase B to phase A while increasing mixing speed from 800 rpm to 1500 rpm.
3	Add slowly phase C with mixing until homogeneous.
4	Add phase D and mix at 2000 rpm for 5 minutes.
5	In parallel, mix Phase B ingredients until homogeneous.

Stability

Stable for at least 3 months at room temperature and 50°C.

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