

# Face Protection 5300 US

## W-in-Oil Skin Cream

Formulation 01918



### Attributes

Wash-Off Resistance  
Light Feel  
Low Viscosity  
Anti-Sand  
SPF 45 (In-Vitro)

### Components

Phase	Order	Ingredient	INCI Name	Wt%	Supplier	Trade Name
A		Neo Heliopan OS	Persea Gratissima (Avocado) Oil	3		
A		Neo Heliopan AV	Ethylhexyl Methoxycinnamate	6		
B		XIAMETER™ PMX-200 Silicone Fluid 5 cSt	Dimethicone	2		
B		C12-15 Alkyl Benzoate	C12-15 Alkyl Benzoate	5		
B		Dicaprylyl Carbonate	Dicaprylyl Carbonate	1		
B		DOWSIL™ FZ-3196 Fluid	Caprylyl Methicone	6		
B		DOWSIL™ 556 Cosmetic Grade Fluid	Phenyl Trimethicone	2		
B		DOWSIL™ 5300 Formulation Aid	Lauryl PEG-10 Tris(Trimethylsiloxy)silylethyl Dimethicone	4		
C		Titanium Dioxide (and) Aluminum Hydroxide (and) Silica (and) Dimethicone	Titanium Dioxide (and) Aluminum Hydroxide (and) Silica (and) Dimethicone	7		
C		Dimethicone Treated Zinc Oxide	Zinc Oxide (and) Dimethicone	4		
D		Water	Water	53.7		
D		Sodium Chloride	Sodium Chloride	1		
D		Glycerin	Glycerin	5		
E		Phenoxyethanol (and) Ethylhexylglycerin	Phenoxyethanol (and) Ethylhexylglycerin	0.3		

# Procedure

Step	Process
1	Mix phase A ingredients together.
2	Mix Phase B ingredients together and add to Phase A with mixing.
3	Add ingredients of phase C to phase AB with mixing.
4	Slowly add phase D to phase ABC, drop by drop while mixing at 700 rpm.
5	Add phase E while strong mixing.

## Stability

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

This suggested formulation is only a representative formulation and it is not a commercialized product. Dow believes that the information and data on which this formulation is based are reliable, but it has not been subjected to extensive testing for performance, efficacy or safety. BEFORE COMMERCIALIZATION, YOU SHOULD THOROUGHLY TEST THE FORMULATION OR ANY VARIATION OF IT TO DETERMINE ITS PERFORMANCE, EFFICACY AND SAFETY. IT IS YOUR RESPONSIBILITY TO OBTAIN ANY NECESSARY GOVERNMENT CLEARANCE, LICENSE OR REGISTRATION. In addition, Dow has not undertaken a comprehensive patent search on the formulation. Suggestions of uses should not be taken as inducements to infringe any particular patent. The information contained in this communication does not constitute an offer, does not give rise to binding obligations, and is subject to change without notice to you. The creation of binding obligations will occur only if an agreement is signed by authorized representatives of Dow and your company. Any reference to competitor materials contained in this communication is not an endorsement of those materials by Dow or an endorsement by the competitor of Dow materials. To the fullest extent permitted by applicable law, Dow disclaims any and all liability with respect to your use or reliance upon the information. DOW DOES NOT MAKE ANY WARRANTY OR REPRESENTATION, EXPRESS OR IMPLIED, WITH RESPECT TO THE UTILITY OR COMPLETENESS OF THE INFORMATION AND DISCLAIMS THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. DOW DISCLAIMS LIABILITY FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES.

®™ Trademark of The Dow Chemical Company ("Dow") or an affiliated company of Dow. © 2018 The Dow Chemical Company. All rights reserved.