



Anti-age Facial Sunscreen

DOW CORNING® FZ-3196

- > Excellent spreadability
- > Light, silky smooth feel
- > Moderate volatility – feels less dry than more volatile materials
- > Excellent compatibility with both silicones and organic materials
- > Co-solubilizer between silicone and organic oils
- > Improves spreadability and reduces tackiness and greasy feel of vegetable oils
- > Clear, colorless, low viscosity fluid

DOW CORNING® MQ-1640 FLAKE RESIN

- > Excellent transfer and wash-off resistance
- > Sebum-resistant
- > Long lasting
- > Rub off resistance
- > Comfort of wear
- > SPF enhancement
- > Ease of formulation
- > Non-tacky, slippery feel when dried

DOW CORNING® 9701 COSMETIC POWDER

- > Ease of use in various media
- > Silky-powdery skin feel
- > Wrinkle masking
- > Superior dispersion quality
- > Sebum absorption
- > Absorption of various fluids and oils

DOW CORNING® 5329 PERFORMANCE MODIFIER

- > Emulsifies a variety of oils, including mineral oils, sunflower oils and silicone oils
- > Capable of forming silicone vesicles which provide ease of processing and combine the aesthetic benefits of silicones with effective delivery
- > Provides oil-in-water emulsions with better spreading, faster absorption, and a smoother, lighter feel than lotions formulated with organic emulsifiers

DOW CORNING® RM-2051

- > Thickening and emulsifying
- > Ready to use for controlling the rheology of aqueous formulations
- > Silicone carrier provides instant perception of improved aesthetics
- > Ease of formulation/cold processing
- > Gives smooth, non-greasy and non-sticky formulations

DOW CORNING® 5200 FORMULATION AID

- > Moisturizing and protective
- > Non-greasy feel
- > Easy to spread
- > Wash off resistance
- > Light, hair and skin conditioning properties
- > Wide range of emulsion form water-in-oil-in-wax and water-in-wax

DOW NEOLONE™ CAP G

- > Broad spectrum antibacterial activity with enhanced control of fungi
- > Effective alternative to formaldehyde donors and parabens
- > Easy to use liquid
- > Effective at low use levels
- > Excellent stability in a variety of matrices over a wide range of pH (2 to 12) and temperatures

Ingredients

Phase A	WT %	INCI	Supplier
Neo Heliopan® AV	7.5	Ethylhexyl Methoxycinnamate	Symrise
Neo Heliopan® OS	5.0	Octyl Salicylate	Symrise
Neo Heliopan® 303	2.0	Octocrylene	Symrise
Neo Heliopan® 357	2.0	Butyl Methoxydibenzoylmethane	Symrise
Phase B			
Dow Corning® FZ-3196	4.0	Caprylyl Methicone	Dow Corning
Isohexadecane	3.0		
Dow Corning® MQ-1640 Flake Resin	3.0	Trimethylsiloxysilicate (and) Polypropylsilsesquioxane	Dow Corning
Dow Corning® 5329 Performance Modifier	4.0	PEG-12 Dimethicone	Dow Corning
Dow Corning® 5200 Formulation Aid	0.5	Lauryl PEG / PPG-18 / 18 Methicone	Dow Corning
Phase C			
Dow Corning® 9701 Cosmetic Powder	3.0	Dimethine / Vinyl Dimethicone Crosspolymer (and) Silica	Dow Corning
Phase D			
DI Water	57.0		Univar
Glycerin	5.0		P&G
Phase E			
Dow Corning® RM-2051	3.0	Sodium Polyacrylate (and) Dimethicone (and) Cyclopentasiloxane (and) Trideceth-6 (and) PEG / PPG-18 / 18 Dimethicone	Dow Corning
Phase F			
Neolone™ CAP G	1.0	Methylisothiazolinone / Caprylyl Glycol	Dow Chemical

Procedure

- In a separate vessel, mix Phase A ingredients together and heat to 60°C until homogeneous.
- Remove mixture from heat and continue mixing while cooling to room temperature.
- In parallel, mix Phase B ingredients until homogeneous.
- Add Phase A to Phase B mixing until homogeneous.
- Add Phase C to mixture of A and B, mix for 5 minutes.
- Mix Phase D ingredients together.
- Add mixture of Phase A, B and C to Phase D under agitation, homogenize using a high sheer mixer for 2-3 minutes.
- Add Phase E and mix until homogeneous.
- Continue mixing for 10 minutes at 1500 rpm.
- Add the preservative.

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