



# Arctic Defense

## Soft Solid Face and Body Cream: Ease of Spreading, Mat Appearance

Formulation 00896

### ATTRIBUTES

- Light Feel
- Ease of Spreading
- Mat Appearance

### DOW CORNING® PRODUCTS

- DOW CORNING® 2501 COSMETIC WAX
- DOW CORNING® 2503 COSMETIC WAX
- DOW CORNING® 5200 FORMULATION AID
- DOW CORNING® AMS-C30 COSMETIC WAX
- DOW CORNING® VM-2270 AEROGEL FINE PARTICLES

### XIAMETER® PRODUCTS

- XIAMETER® PMX-1184 SILICONE FLUID

Ingredient	Wt. %	Trade Name/Supplier
Phase A		
1. Lauryl PEG/PPG-18/18 Methicone	3	DOW CORNING® 5200 FORMULATION AID
2. Stearyl Dimethicone	15	DOW CORNING® 2503 COSMETIC WAX
3. C30-45 Alkyl Methicone (and) C30-45 Olefin	4	DOW CORNING® AMS-C30 COSMETIC WAX
4. Dimethicone (and) Trisiloxane	12	XIAMETER® PMX-1184 SILICONE FLUID
5. Vegetable Oil	2	Cosmodan-20 / ICSC
6. Silica Silylate	1	DOW CORNING® VM-2270 AEROGEL FINE PARTICLES
Phase B		
7. Deionized Water	50.75	
8. Sodium Chloride	1.5	Sodium Chloride / VEL
9. Bis-PEG-18 Methyl Ether Dimethyl Silane	6	DOW CORNING® 2501 COSMETIC WAX
10. Butylene Glycol	4	1,3-Butylene Glycol / Acros Organics N.V.
Phase C		
11. Water (and) Propylene Glycol (and) Rubus Chamaemorus Fruit Extract (and) Rubus Arcticus Fruit Extract (and) Vaccinium Vitis-Idaea Fruit Extract	0.5	Cocktail de baies sauvages d'Artique / Greentech
Phase D		
12. Fragrance	0.25	Dewberry / CPL Aroma

### Procedure

1. Mix phase A ingredients, Heat 90C (using a hot water bath) (800 RPM)

2. Mix phase B ingredients and heat at 90C (using a hot water bath) (600 RPM)
3. Mix phase B to phase A very slowly (drop by drop) at 1500 RPM
4. It is very important to maintain the temperature of both phases during the phase addition
5. Add phase C at approximately 50°C.
6. Cool slowly, while mixing and add fragrance about 40°C
7. Continue mixing until room temperature (1000 rpm)

#### Variations

Alternative Dow Corning® Products have not been tested as of this printing.

#### Stability

Stable for at least 3 months at room temperature. Passes 5 freeze / thaw cycles

#### External Reference Material

Experience the Difference - Second Skin - September 2006. Fragrance Dewberry contains: amyl cinnamal, geraniol, citronellol, Hexyl Cinnamal listed in Annex III, Part I of 76/768/EEC to be allergens. CTW August 06.

#### Dow Corning® Application Patents

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