

## Natural Freedom Deodorant

### Clear Stick: Contains Natural Ingredients, Low Cost

Formulation 00662

#### ATTRIBUTES

- Clear
- Clear Stick Base Formulation
- Dry Feel
- Moisturizing
- Contains Natural Ingredients
- Low Cost

#### DOW CORNING® PRODUCTS

- Dow Corning® 245 FLUID
- Dow Corning® 2501 COSMETIC WAX

Ingredient	Wt. %	Trade Name/Supplier
<b>Phase A</b>		
1. Sodium Stearate	8	Sodium Stearate C-1 / Witco Corporation
2. Propylene Glycol	42.4	Propylene Glycol / The Dow Chemical Company Propylene Glycol USP/FCC / Fisher Chemical Company Propylene Glycol / The Chemistry Store.com
3. Water	5	
4. Isostearyl Alcohol	8	Witconol 66 / Witco Corporation Prisorine 3515 / Uniqema
5. PPG-3 Myristyl Ether	28.5	Promyristyl PM-3 / Croda, Inc.
6. Cyclomethicone	3	Dow Corning® 245 FLUID
7. Bis-PEG-18 Methyl Ether Dimethyl Silane	3	Dow Corning® 2501 COSMETIC WAX
<b>Phase B</b>		
8. Triclosan	0.2	Triclosan / Lipo Chemicals Irgasan DP 300 / Ciba-Geigy Corporation
9. Fragrance	0.5	Escape for Men 9113 / Belle Aire Fragrances
10. Mixture of equal parts essential oils	0.7	Lavandula Angustifolia 7, Cananga Ordata 4, and Citrus Arantium 2 / Essential Oils University
11. FD&C Green #6, Isopropyl Myristate	0.9	Green 6 K7016 and Stepan IPM / LCW Sensiet and Stepan

#### Procedure

1. Add ingredient 1 to the mixing vessel.
2. Add ingredient 2 and begin mixing with a marine propeller type mixer. Use moderate speed.
3. Add remaining phase A ingredients in order while mixing.
4. Heat to 85°C and maintain heating and mixing until all particles are dissolved.
5. Remove from heat and reduce mixing speed.
6. Cool to 65°-70°C and add phase B ingredients.
7. Discontinue heating and nitrogen and cool gradually while mixing.
8. Pour into containers.

#### Variations

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

**Stability**

Stability data for this formulation has not been established.

**External Reference Material**

No external references identified as of this printing.

**Dow Corning® Application Patents**

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