

# Aftershave Gel

M-0003

This fragrant aftershave gel provides moisturization and soothes the skin. **Glucam™\* P-10 Methyl Glucoside Derivative** is an effective humectant and moisturizer, retarding excessive water loss at the skin-product interface as well as reducing water loss from this formulation. **Glucam™\* P-10 Methyl Glucoside Derivative** was specifically designed to provide optimum functionality with broad solubility profiles.

	<b>INCI Name, Trade Name</b>	<b>Weight %</b>	<b>Function</b>
<b>A.</b>	1. Deionized Water	67.095	Diluent
	2. Carbomer, <b>Carbopol®* Ultrez 10 Polymer</b>	0.60	Rheology Modifier
	3. Aminomethyl Propanol, <b>AMP-95®</b>	0.28	Neutralizer
<b>B.</b>	4. Cinnamomium Zeylanicum (Cinnamon) Bark Extract, Propylene Glycol, <b>Optivegetol® Cannelle P110 Hydro</b>	3.50	Botanical Extract
	5. Glycerin	3.00	Humectant
	6. Propylene Glycol	3.00	Humectant
	7. PEG-8, <b>Lipoxol® 400 MED</b>	5.00	Humectant
	8. Panthenol, <b>D-Panthenol USP</b>	0.40	Conditioner
	9. PPG-10 Methyl Glucose Ether, <b>Glucam™* P-10 Methyl Glucoside Derivative</b>	1.50	Humectant
	10. PEG-12 Dimethicone, <b>Dow Corning® 193 Surfactant</b>	0.50	Emollient
<b>C.</b>	11. Deionized Water	10.00	Diluent
	12. Ranunculus Ficaria (Pilewort) Extract, <b>Gatuline® A</b>	0.20	Botanical Extract
<b>D.</b>	13. Deionized Water	2.00	Diluent
	14. Disodium EDTA	0.05	Chelating Agent
<b>E.</b>	15. Deionized Water	2.00	Diluent
	16. Benzophenone-4, <b>Uvinul® MS-40</b>	0.05	UV Absorber
<b>F.</b>	17. Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben, <b>Germaben® II-E</b>	0.80	Preservative
<b>G.</b>	18. <b>FD&amp;C Blue No. 1 / CI 42090 (1% solution)</b>	0.025	Dye

## Procedure:

1. Sprinkle Carbopol®\* Ultrez 10 Polymer on the surface of deionized water. After the polymer is thoroughly wetted, mix at low speed.
2. Neutralize using AMP-95® with agitation.
3. In a separate vessel, combine PART B ingredients and mix until uniform.
4. Slowly add PART B to PART A. Mix until uniform.
5. Dissolve Gatuline® A in deionized water and add to the batch. Mix until uniform.
6. Dissolve Disodium EDTA of PART D in warm deionized water. Add to the batch.
7. Dissolve Uvinul® MS-40 of PART E in deionized water. Add to the batch.
8. Add Gemaben® II-E and dye to batch. Mix until uniform.

**Product Properties:**

Appearance	Transparent, deep green gel
PH	5.4 – 5.8
Viscosity (mPa s)**	19,000 – 26,000
Stability:	Passed 3 months @45°C, 5 cycles freeze/thaw

\*\* Brookfield DV – II+ (or RVT) @ 20 rpm, RV spindle #6

**Supplier References:**

**Noveon, Inc. (2, 9)**

Angus/Dow (3)

Gattefossé (4, 12)

Sasol Gemany GmbH (7)

BASF (8, 16)

Dow Corning (10)

ISP/Sutton (17)

**Quantum Colours (18)**

The information contained herein is believed to be reliable, but no representations, guarantees or warranties of any kind are made as to its accuracy, suitability for particular applications or the results to be obtained. The information often is based on laboratory work with small-scale equipment and does not necessarily indicate end product performance or reproducibility. Formulations presented may not have been tested for stability and should be used only as a suggested starting point. Because of the variations in methods, conditions and equipment used commercially in processing these materials, no warranties or guarantees are made as to the suitability of the products for the applications disclosed. Full-scale testing and end product performance are the responsibility of the user. Noveon, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Noveon's direct control. **THE SELLER MAKES NO WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.** Nothing contained herein is to be considered as permission, recommendation, nor as an inducement to practice any patented invention without permission of the patent owner.

Noveon, Inc. is a wholly owned subsidiary of The Lubrizol Corporation

\*Trademark owned by The Lubrizol Corporation

© Copyright 2005 Noveon, Inc.