

Refreshing Clear After-Shave Facial Wash

M-0012(EU)

Enriched with menthol, this clear soothing facial wash invigorates and deeply cleans men's skin. **Glucamate™* LT Thickeners** provides efficient thickening and excellent clarity, while also imparting mildness and helping to reduce the irritation of the surfactant and alcohol system. **Solulan™* L-575 Lanolin Derivative** brings moisturization and comfort to avoid skin tightening.

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	62.21	Diluent
	2. Sodium Laureth Sulfate, <i>Zetesol NL-2 (28% TS, 2 moles)</i>	15.00	Surfactant
	3. PEG-120 Methyl Glucose Trioleate (and) Propylene Glycol (and) Water, Glucamate™* LT Thickeners (40% TS)	0.90	Thickener
	4. Disodium Cocoamphodiacetate, <i>Miranol C2M conc NP (38% TS)</i>	6.00	Surfactant
	5. Coco-Glucoside, <i>Plantacare® 818 UP (50% TS)</i>	1.50	Surfactant
	6. Cocamidopropyl Betaine, <i>TEGO® Betain F 50 (40% TS)</i>	7.00	Surfactant
B.	7. PEG-75 Lanolin, Solulan™* L-575 Lanolin Product (50% TS)	1.20	Emollient / Superfating Conditioner
	8. Bisabolol, <i>Dragosanto®</i>	0.20	Skin Conditioner
C.	9. Alcohol Denat., <i>Ethanol</i>	0.50	Solvent
	10. Menthol, <i>Menthol Crystals</i>	0.20	Cooling Agent
	11. Fragrance, <i>Sedumen #236064</i>	0.40	Fragrance
D.	12. Polyquaternium-7, <i>Merquat® 550L</i>	2.00	Conditioner
	13. PEG-7 Glyceryl Cocoate, <i>Cetio® HE</i>	2.00	Emollient
	14. Blue 1 (CI42090), <i>Blue 1 (0.1% Solution)</i>	0.10	Dye
	15. DMDM Hydantoin, Iodopropynyl Butylcarbamate, <i>Glydant Plus® Liquid</i>	0.50	Preservative
	16. Citric Acid, <i>Citric Acid (50%)</i>	0.29**	Acidifier

Product Properties:

Appearance	Clear blue liquid
pH	6.5 – 7.0
Viscosity (mPa s)***	2,200 – 3,800
Turbidity (NTU)****	10-25
Stability:	Passed 3 months @ 45°C, 5 cycles freeze/thaw
***Brookfield RVT or DV-II @ 20 rpm, 25°C, #4 spindle, measured at 24 hours	
**** HF Scientific, Inc. Micro 100 Turbidimeter	

Supplier References:

Zschimmer & Schwarz (2)
Lubrizon Advanced Materials, Inc.
(Noveon® Consumer Specialties) (3, 7)
 Rhodia (4)
 Cognis (5, 13)
 Evonik (6)
 Symrise (8)
 Luzi (11)
 Nalco (12)
 Lonza (15)

M-0012(EU)

Edition: March 6, 2008
 Reference #: 071210-09MeM (memar)
 Original Edition: March 6, 2008

** Typical amount, qs to pH 6.5 – 7.0.

- Continued Next Page -

For more information visit www.personalcare.noveon.com or contact your nearest Lubrizon Advanced Materials location.

North America	Mexico	Brazil	Europe, Middle East and Africa	Asia Pacific	South Asia	China
9911 Brecksville Road Cleveland, OH 44141-3247 TEL: 216.447.5000 TEL: 800.379.5389 FAX: 216.447.5250	Avenida Interceptor Pte. #69 Parque Industrial 'La Joya' Cuautitlán, Izcalli - Mexico City Edo. de México 54730, México TEL: 52.55.3067.0860 FAX: 52.55.5870.8956	Av. Fagundes Filho 134 - Cj. 101, 10th floor Edifício Victoria Office Center São Judas, 04304-010 São Paulo TEL: 55.11.4082.1330 FAX: 55.11.4082.1345	Chaussée de Wavre, 1945 B-1160 Brussels, Belgium TEL: 32.2.678.19.11 FAX: 32.2.678.20.02	1107-1110 Shui On Centre 6-8 Harbour Road Wanchai, Hong Kong TEL: 852.2508.1021 FAX: 852.2512.2241	501 & 501A, Omega Hiranandani Business Park Powai Mumbai 400 076 India TEL: 91.22.6698.0590 / 91 FAX: 91.22.6602.7888	27/F Majesty Building No. 138 Pudong Avenue Shanghai 200120, PRC TEL: 86.21.3866.0366 FAX: 86.21.5887.6981

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. Lubrizon Advanced Materials, Inc. shall not be liable for and the customer assumes all risk and liability for any use or handling of any material beyond Lubrizon Advanced Materials, Inc.'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.

Lubrizon Advanced Materials, Inc. is a wholly owned subsidiary of The Lubrizon Corporation

Noveon is a registered trademark of The Lubrizon Corporation

*Trademark owned by The Lubrizon Corporation

© Copyright 2008 Lubrizon Advanced Materials, Inc.

Refreshing Clear After-Shave Facial Wash

M-0012(EU)

Procedure:

1. **PART A:** Add ingredients in order to main batch, ensuring product is uniform before the addition of next ingredient. Heat batch to 55°C. Mix until uniform.
2. Add **PART B** ingredients slowly, one at a time, in order to **PART A** at 55°C. Mix until uniform.
3. Cool main batch down to 30°C.
4. **PART C:** In a separate vessel, Premix **PART C** ingredients. Mix until menthol crystals are dissolved.
5. When main batch has cooled to 30°C, add **PART C** with mixing. Mix until uniform.
6. **PART D:** Add ingredients in order to main batch, ensuring product is uniform before the addition of next ingredient. Mix until uniform.
7. Adjust final pH to 6.5-7.0 with citric acid (50% solution). Mix until uniform.