

Nine Months Time...

A Firming & Anti-Stretch Body Cream

This luxurious firming and anti-stretch body cream was developed to demonstrate that **Novemer® EC-1 polymer** can be used as auxiliary emulsifier for 15% oil. Emulsion stability is maintained when using high levels of actives that contain electrolytes.

	INCI Name, Trade Name	Weight %	Function
A.	1. Deionized Water	64.30	Diluent
	2. Glycerin, <i>Pricerine® 9099</i>	2.00	Humectant
	3. Acrylates / C10-30 Alkyl Acrylate Crosspolymer, Carbopol®** Ultrez 21 Polymer	0.20	Rheology Modifier
B.	4. Caprylic/Capric Triglyceride, <i>Crodamol® GTCC</i>	5.00	Emollient
	5. C12-15 Alkyl Benzoate, <i>Finsolv® TN</i>	4.00	Emollient
	6. Octyldodecyl Myristate, <i>M.O.D.®</i>	4.00	Emollient
	7. Dimethicone PEG-7 Isostearate, SilSense™** DW-18 Silicone	1.00	Emollient
	8. Ceteraryl Alcohol (and) Ceteareth-20, <i>Emulgate® 1000 NI</i>	1.00	Emulsifier
	9. Acrylates/Acrylamide Copolymer (and) Mineral Oil (and) Polysorbate 85, Novemer® EC-1 Polymer (27%)	2.00	Emulsifier/Rheology Modifier
C.	10. Propylene Glycol (and) Fenugreek (<i>Trigonella Foenum-Graecum</i>) Extract, Hops (<i>Humulus lupulus</i>) Extract, Horsetail (<i>Equisetum Arvense</i>) Extract, Olibanum (<i>Boswellia Carterii</i>) Extract, <i>201 Blend for Bust Care HS</i>	5.00	Botanical Extract
	11. Propylene Glycol (and) <i>Trigonella Foenum- Graecum</i> Seed Extract, <i>Equisetum Arvense</i> Extract, <i>Boswellia Carterii</i> Extract, <i>338 Anti-Stretch Mark HS</i>	3.00	Botanical Extract
	12. Propylene Glycol (and) Water, Carrot (<i>Daucus Carota Sativa Seed</i>) Extract, Watercress (<i>Nasturtium Officinale</i>) Extract, Calendula Officinalis Extract, Methyl Paraben, Propyl Paraben, <i>243 Nutriderme HS</i>	3.00	Botanical Extract
	13. <i>Actinidia Chinensis</i> (Kiwi) Fruit Water, <i>Kiwi Extract</i>	5.00	Botanical Extract
D.	14. Propylene Glycol, Diazolidinyl Urea, Methylparaben, Propylparaben, <i>Germaben® II</i>	0.50	Preservative

Product Properties:

Appearance	Creamy eggshell emulsion
pH	6.4 – 6.9
Viscosity (mPa-s)**	20,000 – 30,000
Novemer® EC-1 Polymer (%TS)	0.54

Stability: Passed 4 months @ 23°C, Passed 3 months @ 45°C,
Passed 5 cycles freeze/thaw

** Brookfield RVT @ 20 rpm, 25°C, #6 spindle

Supplier References:

Uniqema (2)
Noveon, Inc. (3, 7, 9)
Croda (4)
Finetex (5)
Gattefosse (6, 13)
Cognis (8)
Alban Muller (10, 11, 12)
ISP (14)

B-0018
Previous Formulation #: EC1-007
Edition: July 8, 2005
MW 018-81
Previous Edition: July 30, 2003
Original Date: July 18, 2002

- Continued Next Page -

For more information visit www.noveon.com or www.carbopol.com or
contact your nearest Noveon location.

North America
Noveon de Mexico, S.A. de C.V.
Europe, Middle East and Africa
Asia-Pacific Ltd.

9911 Brecksville Road
Av. Interceptor Pre.Num.69 Cuautitlan Izcalli 54730 Edo. de
Chaussée de Wavre, 1945B-1160
1107-1110 Shui On Centre 6-8 Harbour Road

Cleveland, OH 44141
Mexico, Mexico
Brussels, Belgium
Wanchai, Hong Kong

Tel: 216.447.5000
Tel: 52.55.3067.0860
Tel: 32.2.678.19.11
Tel: 852.2508.1021

Tel: 800.379.5389 Fax: 216.447.5250
Fax: 52.55.5870.8957
Fax: 32.2.678.20.02
Fax: 852.2512.2241

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.

Nine Months Time...

A Firming & Anti-Stretch Body Cream

B-0018

Procedure:

1. Sprinkle **Carbopol® Ultrez 21 polymer** on the surface of deionized water and allow to wet without mixing.
2. When polymer is wetted (no white powder visible), begin gentle agitation. Add glycerin and heat PART A to 55°C.
3. Weigh and heat ingredients of PART B to 55°C under agitation.
4. At 55°C, add PART B to PART A.
5. Cool to 40°C and add ingredients of PART C one after another.
6. Add PART D. Mix until uniform.