

Sheer Texturizer

S-X0020

This clear, clean hair fixative formula contains **Fixate®* G-100 Polymer** to style, sculpt, and add volume to blow-dried hair. **Schercomid™* AME Humectant** provides moisturization and conditioning, and softens and improves manageability of the hair.

INCI Name, Trade Name	Weight %	Function
A.		
1. Deionized Water	86.739	Diluent
2. Disodium EDTA, <i>Protachem NA2-P</i>	0.050	Chelating Agent
3. Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Carbopol®* Ultrez 20 Polymer	0.500	Rheology Modifier
4. Panthenol, <i>DL Panthenol CG (50% Liquid) or 50 W</i>	0.500	Conditioner
B.		
5. Deionized Water	1.000	Diluent
6. Aminomethyl Propanol (95%), <i>AMP-Ultra™ PC 2000</i>	0.430	Neutralizer
C.		
7. AMP-Acrylates/Allyl Methacrylate Copolymer (26%), Fixate®* G-100 Polymer	6.000	Fixative
8. DMDM Hydantoin (and) Iodopropynyl Butylcarbamate, <i>Glydant Plus®</i>	0.400	Preservative
9. Acetamide MEA, Schercomid™* AME-70 Humectant (70%)	4.300	Humectant
10. Fragrance, <i>Fragrance #PSI-01890</i>	0.050	Fragrance
D.		
11. D&C Red No. 33 (1% soln)	0.001	Dye
12. Ext. D&C Violet No. 2 (0.10% soln)	0.030	Dye

Procedure:

1. Add warm (~40°C) deionized water to mixing vessel. Dissolve Disodium EDTA into the water with good agitation. After EDTA has been dissolved, stop mixing.
2. Disperse **Carbopol®* Ultrez 20 Polymer** by sprinkling on the surface of warm deionized water (no mixing). After polymer has wetted, mix slowly for 10 minutes.
3. Add DL Panthenol, mix until uniform.
4. In a separate vessel, combine ingredients in PART B and mix until clear.
5. Add PART B to the batch and mix until **Carbopol®* Ultrez 20 Polymer** is completely neutralized and batch is homogenous and clear.
6. Add ingredients in PART C in the order shown ensuring that each ingredient is completely dissolved before addition of the next ingredient.
7. Add colors in PART D.

Product Properties:

Appearance	Clear, light pink/violet liquid
pH	6.0 – 7.0
Viscosity (mPa·s)**	500 – 1,500
Total Solids (%)	4.0 – 9.0
Specific Gravity (g/ml)	0.98 – 1.03
Turbidity (NTU)	5 – 10
High Humidity Curl Retention:	96% of original curl after 8 hours 96% of original curl after 24 hours (90% relative humidity, 25°C)
Stability:	Passed 3 months @ 40°C, 1 month @ 50°C, 3 cycles freeze/thaw

Fixate®* G-100 Polymer (%TS) 1.6

**** Brookfield RVT @ 20 rpm, 25°C, #2 spindle, measured after 24 hours**

Supplier References:

Protameen (2)

Noveon, Inc. (3, 7, 9)

DSM Nutritional Products or BASF (4)

Angus / Dow (6)

Lonza (8)

Premier Specialties, Inc. (10)

Quantum Colours (11, 12)

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.