



MICRO POWDERS, INC. *Personal Care Division*

580 White Plains Road, Tarrytown, NY 10591 Tel: (914) 793-4058 Fax: (914) 472-7098 E-mail: mpi@micropowders.com

EYE GEL WITH MICROPOLY 1160S AND MICROSPERSION 511PC

<u>Product Name</u>	<u>INCI Name</u>	<u>%WW</u>	<u>Supplier</u>
Phase A			
Deionized Water	Water	38.89	N/A
Dissolve NA-2	Disodium EDTA	0.01	Akzo Noble
Caffeine Anhydrous Powder	Caffeine	0.30	BASF
Phase B			
Aristoflex	AVC Ammonium Acryoldimethyltaurate/VP Copolymer	0.30	Clariant
Phase C			
Hydrolite 5	Pentylene Glycol	1.00	Symrise
Phase D			
*Hyaluronic Acid (1.0% solution)		8.50	N/A
Phase E			
Polysorbate 40	Polysorbate	0.50	N/A
Phase F			
KSG-15	Cyclopentasiloxane (& Dimethicone/Vinyl Dimethicone Crosspolymer	30.50	Shin-Etsu Silicones
KF-6017	PEG-10 Dimethicone	0.50	Shin-Etsu Silicones
Microspersion 511PC	Polypropylene (& Isohexadecane (& Polyethylene	2.00	Micro Powders, Inc.
Phase G			
Micropoly 1160S	Polyethylene	9.00	Micro Powders, Inc.
Flamenco Blue 620C	Mica (& Titanium Dioxide	0.50	BASF
Phase H			
Butylene Glycol	Butylene Glycol	4.00	N/A
Barguard CP	Caprylyl Glycol, Phenoxyethanol, Hexylene Glycol	0.45	Paradigm Research Sci.
Bronidox 1160	Phenoxyethanol	0.45	Cognis
Phase I			
KF-6017	PEG-10 Dimethicone	1.50	Shin-Etsu Silicones
Dow Corning 200 Fluid, 350 CST	Dimethicone	0.50	Dow Corning

***Hyaluronic Acid (1.0% solution)**

Deionized Water	Water	98.10	N/A
Bronidox 1160	Phenoxyethanol	0.90	Cognis
Cristalhyal	Sodium hyaluronate	1.00	Actives International

Procedure

1. In a main kettle, with mixing, heat Phase A to 60°C.
2. With mixing, let Phase A cool to 30°C.
3. With mixing, slowly add Phase B to Phase A and mix until uniform.
4. When Phase A-B is completely swelled and a gel has formed, add Phase C and mix until uniform.
5. Add Phase D and mix until uniform.
6. Add Phase E and mix until uniform.
7. Pre-mix Phase F in a separate vessel.
8. When uniform, slowly add the pre-mixed Phase F to Phase A-B-C-D-E under mixing. (As the batch thickens, adjust mix speed accordingly)
9. Add the powders of Phase G in batch card order to Phases A-F. (Please note: allow each powder to mix thoroughly before adding the next).
10. Pre-mix Phase H in a separate vessel.
11. When uniform slowly add pre-mixed Phase H to Phases A-G under mixing.
Add the materials of Phase I in batch card order to Phases A-H. Mix until uniform