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Pantone is at it again, giving the world some annual artistic direction with the color pick for 2016—or should I say picks. Yes, this year, for the first time, the group has blended two colors that I think, for our readers, could especially be described as a perfect mix of litmus-paper pastel tones: a baby pink (#13-1520 Rose Quartz) and powder blue (#15-3919 Serenity.)

According to the group, as consumers seek mindfulness and well-being as an antidote to modern day stresses, welcoming colors that psychologically fulfill our yearning for reassurance and security are becoming more prominent. Joined together, rose quartz and serenity demonstrate an inherent balance between a warmer, embracing rose tone and the cooler, tranquil blue, reflecting connection and wellness, as well as a soothing sense of order and peace.*

Pantone acknowledged this color blending also challenges traditional perceptions of color association, especially as society experiences “gender blurring” as it relates to fashion, social movements toward gender equality and fluidity, consumers’ increased use of color as a form of expression, and a generation that is less concerned about being typecast or judged.

What could this mean for cosmetic chemists? A changing consumer mind-set about not just color, but also product categories. Take fragrance, for example, which years ago launched unisex products for use by either him or her. Cosmetics have seen this movement too, in the form of unisex products as well as moisturizers, hair color and color cosmetics, which traditionally were for women, and now are being developed for men.

It’s interesting to see the rationale behind Pantone’s color announcement, which I think paints a clear picture of acceptance. We hope you enjoy this free e-book focused on color formulating; it will inspire you to show your true creative colors.

By the year 2021, the size of the worldwide color cosmetic market is expected to reach US $75 billion, according to a dossier compiled by Statista. The same report also put the 2015 market at $61 billion, and the 2016 market at $63.1 billion. This compares to a market size of $55 billion in 2012.

While the official 2015 numbers aren’t in yet, these estimates make two things clear: there is high hope for growth in this sector—but there’s also a long way to go.

So where do we start?

Look to the Leaders

One place we can look is to the current market leaders to see what’s working for them. This doesn’t necessarily mean creating me-too products, it’s more about being aware of the market’s reaction to their products.

As of December 2014, the following companies and rankings led the market; note that these revenue numbers consider not just makeup, but also fragrances; skin, body, sun and hair care; deodorant; and cellulite and shaving products.

15. Limited Brands, at $4.45 billion
14. AmorePacific Group, at $4.47 billion
13. Henkel Group, at $4.48 billion
12. Coty, at $4.49 billion
11. LVMH, at $5.21 billion
10. Kao Corp., at $5.6 billion
9. Johnson & Johnson, at $6 billion
8. Chanel, at $6.21 billion
7. Avon Products, at $6.3 billion
6. Beiersdorf, at $6.59 billion
5. Shiseido Co., at $7.37 billion
4. The Estée Lauder Cos., at $10.95 billion
3. Procter & Gamble Co., at $19.8 billion
2. Unilever, at $21.66 billion
1. L’Oréal, at $29.94 billion

As might be expected, the same report also found L’Oréal patented the most number of inventions in 2014, with a total of 482. Of course, the company’s sheer size, market share and deep pockets likely enabled them time to invent. Or acquire.

Other honorable mentions for inventions include, in second place, Kao, with 240 patents; third place was Henkel, with 183 patents; fourth went to Amore-Pacific, with 139; finally, fifth was P&G, with 123 patented inventions. This does not mean all of these patents led to marketed products but it does reflect a heavy and vested interest in research.

Go Back to School

Maybe not literally, but at least figuratively. So many industry conferences and events hold poster sessions by students, and these are the future innovators of our industry, right there on display, for all to see—including your competitors.

Of course, not every student or professor can afford to take their work on a road tour, so you also want to look to the sources from which relevant work is emerging.

For example, a Thompson Reuters Web of Science study, reported by Statista, highlighted the top ten scientific research institutions in cosmetics worldwide based on the number of papers they had published through 2014. These sources included the following.

10. University of California, San Francisco, 65 papers
9-8. State University of Campinas and the Chinese Academy of Sciences, each with 70 papers
7-6. University of California, Los Angeles, and Seoul National University, each with 75 papers
5. Harvard University, 78 papers
4. Procter & Gamble Co., 90 papers
3. U.S. Food and Drug Administration (FDA), 92 papers
2. Cosmetic Ingredient Review (CIR), 95 papers
1. University of São Paulo, a whopping 153 papers.

It’s not surprising to see Procter & Gamble in this list, given the extensive amount of research they conduct. Although it is somewhat surprising how much information they are sharing. That’s not to say other manufacturers are not sharing, they just didn’t rank as highly on the list.

Apparently, this approach is working for P&G, as their #3 slot on the revenue list indicates. Then again, the more “tight-lipped” L’Oréal sits at #1, so whose to say which approach is better?

It is interesting to see two government bodies, the FDA and CIR, in this report. In fact, the CIR being an “arm” of the FDA could warrant the two totals being combined for a 187-paper total, putting them in the #1 slot. However, obviously their papers relate, in part, to reports on the safety of cosmetics. So while this information is relevant to cosmetic product development, it may be less informative as far as new inventions are concerned.

Get the Word Out

Tell consumers how awesome your products are. L’Oréal certainly does, as advertising dollars spent in 2014 indicate. For example, according to the same report, on the L’Oréal Paris brand, the company spent $561 million in U.S. advertising; for its Maybelline New York Brand, $302 million; and for Garnier, $232 million.

Other examples include P&G’s Crest brand, at $274 million; Olay brand, at $215 million; CoverGirl at $155 million; and Gillette, at $155 million. Not to be left in the dust, Johnson & Johnson invested $229 million in Neutrogena advertising. Unilever spent $180 million on Dove, and Colgate-Palmolive put $153 million into Colgate.

Note that these are dollars spent are only on U.S. advertising, so who knows what an event like the FIFA World Cup or Olympics might garner. Then again, it’s about knowing your audience and where to place those dollars. Would your typical color cosmetic consumer be engaged in these events? That’s a question for another day.

Reference
1. www.statista.com
Jane Hollenberg  
Color cosmetic expert Jane Hollenberg delves into the practical aspects of actual formulations, going far beyond many cosmetic formulation books that simply provide a list of ingredients and the formulation process. There is no one single color cosmetic technology, but no matter what type of formulation is involved, there are many possible vehicles for delivery of color to the skin.

Anthony C. Dweck  
This reference provides a concise overview for both formulator and marketer of much of the chemistry of the natural world—the materials that inspire and aid the discovery of new product concepts and markets. This volume looks at the entire portfolio of natural raw materials and explains in simple terms the chemistry, the folklore and traditional uses that nature has provided. Information has been assembled on almost 300 fixed oils, 200 essential oils and 600 botanical extracts, making this a useful handbook and companion for anybody who requires a quick overview of this subject.

Randy Schueller and Perry Romanowski  
With the third edition of this best-selling chemistry textbook, the authors substantially update all the original material and include 21 additional chapters of brand new material to cover recent developments in the field of cosmetic science. The book re-emphasizes the importance of providing introductory technical information to those who would like to improve their understanding of cosmetic science. The four major sections of this book cover all important aspects of the cosmetic industry, including: Orientation, Tools and Terms; Product Development; Cosmetic Ingredients and Vehicles; and Product Testing.

Nava Dayan, PhD  
This book offers practical approach to the formulation chemist’s day-to-day endeavors by: addressing the innumerable challenges facing the chemist both in design and at bench, such as formulating with/for specific properties; offering valuable “tips” to troubleshooting issues regarding ingredient selection and interaction, regulatory concerns that must be addressed early in development, and the extrapolation of preservative systems; exploring the advantages and limitations of raw materials; addressing scale-up and pilot production process and concerns; and much more.
Color Directory and Formulary

Listings are organized as follows:

**FUNCTION**

<table>
<thead>
<tr>
<th>INCI Name</th>
<th>Trade Name, Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Additional Functions (if applicable)</td>
</tr>
</tbody>
</table>

**COLORANT**

| Acrylic Black 2 | Ebest Black AR3, FastColours LLP |
| Acrylic Blue 3  | E131 Patent Blue V Granular, FastColours LLP |
| Acrylic Blue 9  | E133 Brilliant Blue FCF Granular, FastColours LLP |
| Acrylic Green 1 | Ebest Indigotine, FastColours LLP |
| Acrylic Green 25| Ebest Green GTSC, FastColours LLP |
| Acrylic Green 50| E142 Green S, FastColours LLP |
| Acrylic Orange 3| Lowalan Orange 3, Lowenstein, Jos. H. & Sons Inc. |
| Acrylic Orange 7| Acid Orange 7, Spectra Colors Corp. |
|                | Puricolor Orange AOR7, BASF SE |
|                | Acid Red 14, Spectra Colors Corp. |
|                | Acid Red 14 Azorubine Granular, FastColours LLP |
|                | Acid Red 18, Spectra Colors Corp. |
|                | Acid Red 18 Ponceau 4R Granular, FastColours LLP |
|                | Acid Red 27, Spectra Colors Corp. |
|                | Acid Red 27 Amaranth, FastColours LLP |
|                | Acid Red 33, BASF SE |
|                | Acid Red 51, E127 Erythrosine Granular, FastColours LLP |
|                | Acid Red 92, Spectra Colors Corp. |
|                | Acid Red 18 Aluminum Lake |
|                | Acid Red 18 Lake, FastColours LLP |
|                | Acid Yellow 17, FastColours LLP |
|                | Acid Yellow 23, Spectra Colors Corp. |
|                | Acid Yellow 23 Tartrazine Granular, FastColours LLP |
|                | FD&C Yellow No. 5 Powder, FastColours LLP |
|                | Puricolor Yellow AYE 23, BASF SE |
|                | Acid Yellow 23 Aluminum Lake |
|                | Acid Yellow 23 Lake 24-28, FastColours LLP |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73 Sodium Salt |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73 sodium salt, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acrylic Acid Blue 2 |
|                | Acid Blue 3, FastColours LLP |
|                | Acid Blue 9 |
|                | E133 Brilliant Blue FCF Granular, FastColours LLP |
|                | Puricolor Blue ABL9, BASF SE |
|                | Acid Blue 74 |
|                | E132 Indigotine, FastColours LLP |
|                | Acid Blue 62 |
|                | Ebest Sky Blue R, FastColours LLP |
|                | Acid Blue 80 |
|                | Ebest Blue NBL, FastColours LLP |
|                | Acid Green 1 |
|                | Ebest Green B, FastColours LLP |
|                | Acid Green 25 |
|                | Ebest Green GTSC, FastColours LLP |
|                | Acid Green 50 |
|                | E142 Green S, FastColours LLP |
|                | Acid Orange 3 |
|                | Lowalan Orange 3, Lowenstein, Jos. H. & Sons Inc. |
|                | Acid Orange 7 |
|                | Acid Orange 7, Spectra Colors Corp. |
|                | Acid Yellow 23 |
|                | Acid Yellow 23, Spectra Colors Corp. |
|                | Acid Yellow 23 Tartrazine Granular, FastColours LLP |
|                | FD&C Yellow No. 5 Powder, FastColours LLP |
|                | Puricolor Yellow AYE 23, BASF SE |
|                | Acid Yellow 23 Aluminum Lake |
|                | Acid Yellow 23 Lake 24-28, FastColours LLP |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73 Sodium Salt |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acrylic acid Black 2 |
|                | Acid Black 2, FastColours LLP |
|                | Acid Black 2 Ar3, FastColours LLP |
|                | Acid Blue 3 |
|                | E131 Patent Blue V Granular, FastColours LLP |
|                | Acid Blue 9 |
|                | E133 Brilliant Blue FCF Granular, FastColours LLP |
|                | Puricolor Blue ABL9, BASF SE |
|                | Acid Blue 74 |
|                | E132 Indigotine, FastColours LLP |
|                | Acid Blue 62 |
|                | Ebest Sky Blue R, FastColours LLP |
|                | Acid Blue 80 |
|                | Ebest Blue NBL, FastColours LLP |
|                | Acid Green 1 |
|                | Ebest Green B, FastColours LLP |
|                | Acid Green 25 |
|                | Ebest Green GTSC, FastColours LLP |
|                | Acid Green 50 |
|                | E142 Green S, FastColours LLP |
|                | Acid Orange 3 |
|                | Lowalan Orange 3, Lowenstein, Jos. H. & Sons Inc. |
|                | Acid Orange 7 |
|                | Acid Orange 7, Spectra Colors Corp. |
|                | Acid Yellow 23 |
|                | Acid Yellow 23, Spectra Colors Corp. |
|                | Acid Yellow 23 Tartrazine Granular, FastColours LLP |
|                | FD&C Yellow No. 5 Powder, FastColours LLP |
|                | Puricolor Yellow AYE 23, BASF SE |
|                | Acid Yellow 23 Aluminum Lake |
|                | Acid Yellow 23 Lake 24-28, FastColours LLP |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73 Sodium Salt |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acrylic acid Black 2 |
|                | Acid Black 2, FastColours LLP |
|                | Acid Black 2 Ar3, FastColours LLP |
|                | Acid Blue 3 |
|                | E131 Patent Blue V Granular, FastColours LLP |
|                | Acid Blue 9 |
|                | E133 Brilliant Blue FCF Granular, FastColours LLP |
|                | Puricolor Blue ABL9, BASF SE |
|                | Acid Blue 74 |
|                | E132 Indigotine, FastColours LLP |
|                | Acid Blue 62 |
|                | Ebest Sky Blue R, FastColours LLP |
|                | Acid Blue 80 |
|                | Ebest Blue NBL, FastColours LLP |
|                | Acid Green 1 |
|                | Ebest Green B, FastColours LLP |
|                | Acid Green 25 |
|                | Ebest Green GTSC, FastColours LLP |
|                | Acid Green 50 |
|                | E142 Green S, FastColours LLP |
|                | Acid Orange 3 |
|                | Lowalan Orange 3, Lowenstein, Jos. H. & Sons Inc. |
|                | Acid Orange 7 |
|                | Acid Orange 7, Spectra Colors Corp. |
|                | Acid Yellow 23 |
|                | Acid Yellow 23, Spectra Colors Corp. |
|                | Acid Yellow 23 Tartrazine Granular, FastColours LLP |
|                | FD&C Yellow No. 5 Powder, FastColours LLP |
|                | Puricolor Yellow AYE 23, BASF SE |
|                | Acid Yellow 23 Aluminum Lake |
|                | Acid Yellow 23 Lake 24-28, FastColours LLP |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73 Sodium Salt |
|                | Acid Yellow 73, Spectra Colors Corp. |
|                | Acid Yellow 73, Spectra Colors Corp. |

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Basic Blue 3
Basic Blue 3, Spectra Colors Corp.

Basic Blue 7
Basic Blue 7, Spectra Colors Corp.

Basic Blue 9
Basic Blue 9, Spectra Colors Corp.

Basic Blue 26
Basic Blue 26, Spectra Colors Corp.

Basic Brown 4
Basic Brown 4, Spectra Colors Corp.

Basic Green 4
Basic Green 4, Spectra Colors Corp.

Basic Orange 2
Basic Orange 2, Spectra Colors Corp.

Basic Orange 31
Vibracolor Flame Orange, BASF SE
Additional Functions: Hair Colorant/Dye

Basic Red 2
Basic Red 2, Spectra Colors Corp.

Basic Red 46
Basic Red 46, Spectra Colors Corp.

Basic Red 51
Vibracolor Ruby Red, BASF SE
Additional Functions: Hair Colorant/Dye

Basic Violet 1
Basic Violet 1, Spectra Colors Corp.

Basic Violet 2
Basic Violet 2, Spectra Colors Corp.

Basic Violet 3
Basic Violet 3, Spectra Colors Corp.

Basic Violet 4
Basic Violet 4, Spectra Colors Corp.

Basic Violet 10
Basic Violet 10, Spectra Colors Corp.

Basic Violet 14
615 Basic Fuchsin, FastColours LLP
Basic Violet 14, Spectra Colors Corp.

Basic Yellow 87
Vibracolor Citrus Yellow, BASF SE
Additional Functions: Hair Colorant/Dye

Beetroot Red
Duranat Red Beet WSP, FastColours LLP

Beetroot Red
Duranat Red Beet WSP, FastColours LLP

Beta-Carotene
Colorex Beta Carotene, IFC Solutions

Beta-Carotene, Xanthophyll
Luteofilla, Very Europe SpA

Beta Vulgaris (Beet) Root Extract
Beet (Beta vulgaris) extract, Naturex Inc.

Bismuth Oxychloride
Biju Ultra UFC; Mearlite LBU; Pearl-Glo: M PG1098, PG1085, SF PG1099 and UVR PG1086, BASF Corporation
Additional Functions: Pearland/Pearling Agent, Pigment, Powder

Bismuth Oxochloride, Butyl Acetate, Nitrocellulose, Isopropyl Alcohol, Stearalkonium Hectorite
Biju: BNT and Ultra UNT, BASF Corporation
Additional Functions: Pearland/Pearling Agent, Pigment

Brilliant Black 1
E151 Brilliant Black BN Granular, FastColours LLP

Bronze Powder
Cosmetic Bronze Powder VP-1, Eckart Cosmetic Colours LLC
Additional Functions: Pigment

Bronze Powder, Silica
Visionaire Bright: Honey, Natural Gold and Sunflower Gold, Eckart Cosmetic Colours LLC
Additional Functions: Pigment

Visionaire Metallic Bronze Pigments, Eckart Cosmetic Colours LLC
Additional Functions: Stabilizer-Perfume

Butylparaben, Chromium Hydroxide Green, Diocetyl Sodium Sulfoisocyanate, Ethylparaben, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HL Blue Green, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 6 Barium Lake, Diocetyl Sodium Sulfoisocyanate, Ethylparaben, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HL Poppy Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 6 Barium Lake, Ethylparaben, Methicone, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HB Poppy Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 7 Calcium Lake, Diocetyl Sodium Sulfoisocyanate, Ethylparaben, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HL Begonia, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 7 Calcium Lake, Ethylparaben, Methicone, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HL Begonia and Geranium Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 17, Diocetyl Sodium Sulfoisocyanate, Ethylparaben, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HL Red Wood Dye, The Innovation Company

Acrylates Copolymer
Eosopoly HB Blue Sky Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Orange No. 4, Dioctyl Sodium Sulfoisocyanate, Ethylparaben, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HL Mandarin Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Orange No. 5, Dioctyl Sodium Sulfoisocyanate, Ethylparaben, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HL: Orange Dye and Orange Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Orange No. 5, Ethylparaben, Methicone, Methylparaben, Phenoxethanol, Propylparaben, Styrene/Acrylates Copolymer
Eosopoly HB: Orange Dye and Orange Lake, The Innovation Company
Additional Functions: Thickener
Butylparaben, D&C Red No. 17, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Red Wood Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 21, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Eosin Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 22, Dioctyl Sodium Sulfosuccinate, Ethylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Pinky Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 27 Aluminum Lake, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Electric Pink Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 30, Dioctyl Sodium Sulfosuccinate, Ethylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Helindone Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 30, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Helindone Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33 Aluminum Lake, Dioctyl Sodium Sulfosuccinate, Ethylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Magenta Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Dioctyl Sodium Sulfosuccinate, Ethylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Magenta Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Magenta Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Alizaridine, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Gold Grass Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Gold Grass Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Yellow Grass Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Yellow Grass Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Red No. 33, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Ocean Blue Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Yellow No. 10, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Yellow Grass Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Yellow No. 10, Dioctyl Sodium Sulfosuccinate, Ethylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HB Bright Yellow Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Yellow No. 10, Dioctyl Sodium Sulfosuccinate, Ethylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Ocean Blue Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Yellow No. 10, Dioctyl Sodium Sulfosuccinate, Ethylparaben, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Ocean Blue Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, D&C Yellow No. 10, Ethylparaben, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrène/Acrylates Copolymer
Eospoly HL Ocean Blue Dye, The Innovation Company
Additional Functions: Thickener
Butylparaben, Diocetyl Sodium
Sulfosuccinate, Ethylparaben, FD&C Green No. 3, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HL FD&C Green No. 3 Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, Diocetyl Sodium
Sulfosuccinate, Ethylparaben, FD&C Red No. 40, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HL Safran Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Diocetyl Sodium
Sulfosuccinate, Ethylparaben, FD&C Yellow No. 5 Aluminum Lake, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HL Safran Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Diocetyl Sodium
Sulfosuccinate, Ethylparaben, FD&C Yellow No. 6 Aluminum Lake, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HL Melon Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Diocetyl Sodium
Sulfosuccinate, Ethylparaben, FD&C Yellow No. 6, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HL Melon Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Diocetyl Sodium
Sulfosuccinate, Ethylparaben, FD&C Yellow No. 5, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HL Safran Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, FD&C Red No. 40, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Coral Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, FD&C Yellow No. 5 Aluminum Lake, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Safran Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, FD&C Yellow No. 6 Aluminum Lake, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Melon Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, FD&C Yellow No. 6, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Melon Lake, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, Iron Oxide Black, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Black, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, Iron Oxides, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Prussian Blue, Red and Yellow, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, Iron Oxides, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Prussian Blue, Red and Yellow, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, Iron Oxides, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Prussian Blue, Red and Yellow, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, Iron Oxides, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
Eospoly HB Tomato Dye, The Innovation Company
Additional Functions: Thickener

Butylparaben, Ethylparaben, Iron Oxides, Methicone, Methylparaben, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer,
**Titanium Dioxide**
- Eospoly HB UV Shadow, The Innovation Company
  - **Additional Functions**: Thickener

**Butylparaben, Ethylparaben, Manganese**
- Violet, Methicone, Propylene Carbonate, Phenoxyethanol, Propylparaben, Styrene/Acrylates Copolymer
  - Eospoly HB Blue, The Innovation Company
  - **Additional Functions**: Thickener

**Calcium Sodium Borosilicate, Titanium Dioxide**
  - **Additional Functions**: Pearland/Pearling Agent, Pigment, Powder

**Calcium Sodium Borosilicate, Silica, Titanium Dioxide**
- Reflects: MultiDimensions: Changing Cherry
  - **G480D, Transforming Teal G780D, Varying Violet G580D, BASF Corporation**
  - **Additional Functions**: Pearland/Pearling Agent, Pigment, Powder

**Capsicum Annuum Extract**
- Paprika Forté, Givaudan SA
  - **Additional Functions**: Anti-irritant, Antioxidant

**Carbon Black**
- Unipure Black LC902, Sensient Cosmetic Technologies

**Carmine**
- Colorere Carmine, IFC Solutions
  - Duranat Carmine WSP, FastColours LLP

**Carmine, Perfluoropolyhydrophenanthrene, PTFE**
- Tefpoly 65% Carmine, The Innovation Company
  - **Additional Functions**: Pigment, Powder

**Ceteareth-25, Cetyl Alcohol, Hydrogenated Coconut Acid, Paraffinum Liquidum (Mineral) Oil**
- Base O/W 097, Sensient Cosmetic Technologies
  - **Additional Functions**: Surfactant-Anionic, Surfactant-Nonionic

**Chlorophyllin-Copper Complex**
- Duranat Cu Chlorophyllin WSP, FastColours LLP
  - Natuchrome Super Green, Givaudan SA
  - **Additional Functions**: Antioxidant, Deodorant

**Chromium Hydroxide Green**
- C61-6735 Chromium Hydroxide Green, Sun Chemical Corp.
  - Chromium Hydroxide Green, Emerald Performance Materials

**Chromium Hydroxide Green, Methicone**
- A306.30 Tudor Mint Hydrophobic, Kingfisher Colours Ltd./Sun Chemical
  - **Additional Functions**: Pigment

**Chromium Hydroxide Green, Mica, Mimosa**
- Tenuiflora Extract
  - Micapoly FLWM Blue Green, The Innovation Company
  - **Additional Functions**: Pigment, Powder

**Chromium Hydroxide Green, Perfluoropolyhydrophenanthrene, PTFE**
- Tefpoly Blue Green, The Innovation
**Company**

*Additional Functions:* Pigment, Powder

**Chromium Oxide Green**
C61-1245 Chromium Oxide Green, Sun Chemical Corp.

**Chromium Oxide Green, Bismuth Oxychloride, Mica**
Chroma-Lite Green CL4503, BASF Corporation

*Additional Functions:* Pearlant/Pearling Agent, Pigment, Powder

**Chromium Oxide Green, Methicone**
A307.30 Tudor Sage Hydrophobic, Kingfisher Colours Ltd./Sun Chemical Technologies

*Additional Functions:* Pigment

**Cl 14700**
Puricolor Red FRE1, BASF SE

**Cl 42053**
Puricolor Green U3, BASF SE

**Cl 73360**
Puricolor Red VRE1, BASF SE

**Cl 77891, Mica, Triethoxycaprylsilane**
Covaperle Pink 433 AS, Sensient Cosmetic Technologies

**Cl 77891, Triethoxycaprylsilane, Polypeloufluoromethylisopropyl Ether**
PW F-MS, Sensient Cosmetic Technologies

**Copper Powder**
Cosmetic Copper Powder VP-1, Eckart Cosmetic Colours LLC
*Additional Functions:* Pigment

**Copper Powder, Silica**
Visionaire: Bright Cinnamon and Metallic Copper Pigments, Eckart Cosmetic Colours LLC
*Additional Functions:* Pigment

**Curcuma Longa (Tumeric) Root Extract**
Tumeric (*Curcuma longa*) extract, Naturex Inc.

*Additional Functions:* Anti-inflammatory, Antioxidant

**Curcumin**
Duranat Curcumin WSP, FastColours LLP

**Daucus Carota Sativa (Carrot) Extract**
Purple Carrot Extract, Givaudan SA
*Additional Functions:* Antioxidant, Hair Colorant/Dye

**Daucus Carota Sativa (Carrot) Seed Oil**
Carrot (*Daucus carota sativa*) oil, Arista Industries Inc.

*Additional Functions:* Sunless Tanning Agent

**D&C Blue No. 1 Aluminum Lake**
C39-4433 D&C Blue No. 1 Aluminum Lake, Sun Chemical Corp.

**D&C Blue No. 1 Aluminum Lake, Ricinus Communis (Castor) Seed Oil**
COD-8007 D&C Blue 1 Al Lake Castor Oil Dispersion, Sun Chemical Corp.

**D&C Green No. 5**
D&C Green No. 5, Spectra Colors Corp.

**D&C Green No. 6, Perfluoroperhydrophenanthrene, PTFE**
Tefpoly Blue Sky Dye, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Green No. 8**
Bestoil Green BGI, FastColours LLP
C64-8393 D&C Green 8, Sun Chemical Corp.
D&C Green No. 8, Spectra Colors Corp.

**D&C Orange No. 4**
C76-7393 D&C Orange 4, Sun Chemical Corp.
D&C Orange No. 4, Spectra Colors Corp.

**D&C Orange No. 4, Mica, Mimos Tenuiflora Extract**
Micapoly FLWM Mandarin Dye, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Orange No. 4, Perfluoroperhydrophenanthrene, PTFE**
Tefpoly Mandarin Dye, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Orange No. 5, Mica, Mimos Tenuiflora Extract**
Micapoly FLWM: Mandarin Dye and Orange Lake, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Orange No. 5, Perfluoroperhydrophenanthrene, PTFE**
Tefpoly: Orange Dye and Orange Lake, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 6 Barium Lake**
C19-022 D&C Red No. 6 Barium Lake, Sun Chemical Corp.
D&C Red No. 6 Barium Lake, Emerald Performance Materials

**D&C Red No. 6 Barium Lake, Mica, Mimos Tenuiflora Extract**
Micapoly FLWM Poppy Lake, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 6 Barium Lake, Perfluoroperhydrophenanthrene, PTFE**
Tefpoly 65% Poppy, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 6 Barium Lake, Ricinus Communis (Castor) Seed Oil**
COD-8002 D&C Red 6 Ba Lake Castor Oil Dispersion, Sun Chemical Corp.

**D&C Red No. 7 Calcium Lake**
C19-011 D&C Red No. 7 Calcium Lake, Sun Chemical Corp.
D&C Red No. 7 Calcium Lake, Emerald Performance Materials

**D&C Red No. 7 Calcium Lake, Mica, Mimos Tenuiflora Extract**
Micapoly FLWM: Begonia and Geranium Lake, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 7 Calcium Lake, Perfluoroperhydrophenanthrene, PTFE**
Tefpoly 65% Begonia, 65% Geranium, Begonia Lake and Geranium Lake, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 7 Calcium Lake, Perfluoroperhydrophenanthrene, PTFE**
Tefpoly 65% Begonia, 65% Geranium, Begonia Lake and Geranium Lake, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 7 Calcium Lake, Ricinus Communis (Castor) Seed Oil**
COD-8001 D&C Red 7 Ca Lake Castor Oil Dispersion, Sun Chemical Corp.

**D&C Red No. 17**
D&C Red No. 17, Spectra Colors Corp.

**D&C Red No. 17, Mica, Mimos Tenuiflora Extract**
Micapoly FLWM Red Wood Dye, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 17, Perfluoroperhydrophenanthrene, PTFE**
Tefpoly Red Wood Dye, The Innovation Company
*Additional Functions:* Pigment, Powder

**D&C Red No. 21**
C14-032 D&C Red No. 21, Sun Chemical Corp.
D&C Red No. 21 Aluminum Lake
C14-034 D&C Red No. 21 Aluminum Lake, Sun Chemical Corp.

D&C Red No. 21, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Eosin Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 22
D&C Red No. 22, Spectra Colors Corp.

D&C Red No. 22 Aluminum Lake
C14-6634 D&C Red No. 22 Aluminum Lake, Sun Chemical Corp.

D&C Red No. 22, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Pinky Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 22, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Pinky Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 27 Aluminum Lake
D&C Red No. 27 Aluminum Lake, Sun Chemical Corp.

D&C Red No. 27 Aluminum Lake, Perfluoroperhydrophenanthrene, PTFE
Tefpoly 65% Electric Pink, The Innovation Company
Additional Functions: Pigment, Powder
Tefpoly Electric Pink Lake, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 28
D&C Red No. 28, Spectra Colors Corp.

D&C Red No. 28 Aluminum Lake
C14-6623 D&C Red No. 28 Aluminum Lake, Sun Chemical Corp.

D&C Red No. 30
C37-0393 D&C Red 30, Sun Chemical Corp.

D&C Red No. 30 Aluminum Lake
C37-038 D&C Red No. 30 Aluminum Lake, Sun Chemical Corp.

D&C Red No. 30 Lake
D&C Red No. 30 Lake (K7094), Sensient Cosmetic Technologies
D&C Red No. 30 Talc Lake, Emerald Performance Materials

D&C Red No. 30 Lake, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Helindone Lake, The Innovation Company

Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 30 Lake, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Helindone Lake, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 33
C17-1393 D&C Red 33, Sun Chemical Corp.
D&C Red No. 33, Spectra Colors Corp.
D&C Red No. 33, FastColours LLP

D&C Red No. 33 Aluminum Lake
C17-6444 D&C Red No. 33 Aluminum Lake, Sun Chemical Corp.

D&C Red No. 33 Aluminum Lake, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Magenta Lake, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 33 Aluminum Lake, Perfluoroperhydrophenanthrene, PTFE
Tefpoly: 65% Magenta, The Innovation Company
Additional Functions: Pigment, Powder
Tefpoly Magenta Lake, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 33, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Magenta Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 33, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Magenta Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Red No. 34 Calcium Lake
C24-012 D&C Red No. 34 Calcium Lake, Sun Chemical Corp.

D&C Red No. 36
C23-009 D&C Red No. 36, Sun Chemical Corp.

D&C Red No. 40 Aluminum Lake
C37-6340 D&C Red No. 40 Aluminum Lake, Sun Chemical Corp.
E129 Allura Red AC Lake 35-42, FastColours LLP

D&C Violet No. 2
Bestoil Violet BA, FastColours LLP
D&C Violet No. 2, Spectra Colors Corp.

D&C Violet No. 2, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Alizuridine, The Innovation Company

D&C Violet No. 2, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Alizuridine Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 6, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Harvest Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 7, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Gold Grass Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 7, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Gold Grass Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 8
D&C Yellow No. 8, Spectra Colors Corp.

D&C Yellow No. 8, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Harvest Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 8, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Harvest Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 10
C71-5393 D&C Yellow 10, Sun Chemical Corp.
D&C Yellow No. 10, Spectra Colors Corp.

D&C Yellow No. 10 Aluminum Lake
C71-5171 D&C Yellow No. 10 Aluminum Lake, Sun Chemical Corp.
D&C Yellow No. 10 Aluminum Lake, Emerald Performance Materials
E104 Quinoline Yellow Lake 18-24, FastColours LLP

D&C Yellow No. 10 Aluminum Lake, Mica, Mimosa Tenuiflora Extract
Micapoly FLWM Bright Yellow Lake, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 10 Aluminum Lake, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Harvest Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 10 Aluminum Lake, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Harvest Dye, The Innovation Company
Additional Functions: Pigment, Powder

D&C Yellow No. 10 Aluminum Lake, Sun Chemical Corp.
**Perfluoroperhydrophenanthrene, PTFE**

Tefpoly Bright Yellow Lake, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**D&C Yellow No. 10, Mica, Mimosa Tenuiflora Extract**

Micapoly FLWM Bright Yellow Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**D&C Yellow No. 10, Perfluoroperhydrophenanthrene, PTFE**

Tefpoly Bright Yellow Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**D&C Yellow No. 11, Perfluoroperhydrophenanthrene, PTFE**

Tefpoly Yellow Grass Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**Dimethicone**

ML Surface Treatment, **Gelest Inc.**

*Additional Functions*: Pigment

**Dimethicone, Mica, Sodium C8-16 Isostearlylsuccinyl Lactoglobulin Sulfonate, Trimethylsiloxysilicate**

Colormat Woe White, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**Direct Orange 39**

Ebest Orange 2GL, **FastColours LLP**

**Direct Blue 86**

Direct Blue 86, **Spectra Colors Corp.**

Ebest Turquoise Blue GL, **FastColours LLP**

**Disperse Blue 3**

Disperse Blue 3, **Spectra Colors Corp.**

**Dyes**

Dyes, **Spectra Colors Corp.**

**Erythrosine**

Erytan, M.C. Biotec Inc.

*Additional Functions*: Sunless Tanning Agent, Tanning Accelerator

**Ethylcellulose, Acetyl Tributyl Citrate, Carbon Black**

Noir Covachip W9702 ET, **Sensient Cosmetic Technologies**

**External D&C Violet No. 2**

C46-9393 External D&C Violet 2, **Sun Chemical Corp.**

**FD&C Blue No. 1**

C39-6393 FD&C Blue 1, **Sun Chemical Corp.**

FD&C Blue No. 1, Lowenstein, Jos. H. & Sons Inc.

FD&C Blue No. 1, **Spectra Colors Corp.**

FD&C Blue No.1 Powder, **FastColours LLP**

FD&C Blue No. 1 Powder, **Emerald Performance Materials**

**FD&C Blue No. 1, Aluminum Lake**

E133 Brilliant Blue FC Lake 10-14, **FastColours LLP**

FD&C Blue No. 1 aluminum lake, **Spectra Colors Corp.**

**FD&C Blue No. 1, Aluminum Lake, Mica, Mimosa Tenuiflora Extract**

Micapoly FLWM Ocean Blue Lake, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Blue No. 1, Perfluoroperhydrophenanthrene, PTFE**

Tefpoly: 65% Ocean Blue and Ocean Blue Lake, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Blue No. 1, Mica, Mimosa Tenuiflora Extract**

Micapoly FLWM Ocean Blue Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Blue No. 1, Perfluoroperhydrophenanthrene, PTFE**

Tefpoly: 65% Ocean Blue and Ocean Blue Lake, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Blue No. 1, Mica, Perfluoroperhydrophenanthrene, PTFE**

Micapoly FLWM Ocean Blue Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Green No. 3, Perfluoroperhydrophenanthrene, PTFE**

Tefpoly FD&C Green No.3 Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Red No. 3**

FD&C Red No. 3, **Spectra Colors Corp.**

FD&C Red No. 3 Powder, **Emerald Performance Materials**

**FD&C Red No. 4, Mica, Mimosa Tenuiflora Extract**

Micapoly FLWM Tomato Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Red No. 4, Perfluoroperhydrophenanthrene, PTFE**

Tefpoly Tomato Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Red No. 40**

C37-4393 FD&C Red 40, **Sun Chemical Corp.**

E129 Allura Red AC Granular, **FastColours LLP**

FD&C Red No. 40, **Spectra Colors Corp.**

FD&C Red No. 40 Powder, **Emerald Performance Materials**

FD&C Red No. 40 Powder, **FastColours LLP**

**FD&C Red No. 40, Mica, Mimosa Tenuiflora Extract**

Micapoly FLWM Coral Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Red No. 40, Perfluoroperhydrophenanthrene, PTFE**

Tefpoly Coral Dye, **The Innovation Company**

*Additional Functions*: Pigment, Powder

**FD&C Red No. 40, Erythrosine**

C69-2393 SunCroma FD&C Yellow 5, **Sun Chemical Corp.**

FD&C Yellow No. 5, **Spectra Colors Corp.**

FD&C Yellow No. 5 Powder, **Emerald Performance Materials**

**FD&C Yellow No. 5, Aluminum Lake**

C69-002 FD&C Yellow No. 5 Aluminum Lake, **Sun Chemical Corp.**

FD&C Yellow No. 5, **Spectra Colors Corp.**

FD&C Yellow No. 5 aluminum lake, **Spectra Colors Corp.**

**FD&C Yellow No. 5 Aluminum Lake, Mica, Mimosa Tenuiflora Extract**

Micapoly FLWM Safran Lake, **The Innovation Company**

*Additional Functions*: Pigment, Powder
**Additional Functions:** Pigment, Powder

**FD&C Yellow No. 5 Aluminum Lake, Perfluoroalkylpolyheterocyclophane, PTFE**
Tefpoly: 65% Safran and Safran Lake, The Innovation Company

**Additional Functions:** Pigment, Powder

**FD&C Yellow No. 5 Aluminum Lake, Ricinus Communis (Castor) Seed Oil**
COD-8009 FD&C Yellow 5 Al Lake Castor Oil Dispersion, Sun Chemical Corp.

**FD&C Yellow No. 5, Mica, Mimosa Tenuiflora Extract**
Micapoly FLWM Safran Dye, The Innovation Company

**Additional Functions:** Pigment, Powder

**FD&C Yellow No. 5, Perfluoroalkylpolyheterocyclophane, PTFE**
Tefpoly Safran Dye, The Innovation Company

**FD&C Yellow No. 6**
C70-3393 FD&C Yellow 6, Sun Chemical Corp.

**FD&C Yellow No. 6, Spectra Colors Corp.**
FD&C Yellow No. 6 Powder, Emerald Performance Materials

**FD&C Yellow No. 6 Aluminum Lake**
FD&C Yellow No. 6 aluminum lake, Spectra Colors Corp.

**FD&C Yellow No. 6 Aluminum Lake, Mica, Mimosa Tenuiflora Extract**
Micapoly FLWM Melon Lake, The Innovation Company

**Additional Functions:** Pigment, Powder

**FD&C Yellow No. 6 Aluminum Lake, Perfluoroalkylpolyheterocyclophane, PTFE**
Tefpoly Melon Lake, The Innovation Company

**Additional Functions:** Pigment, Powder

**FD&C Yellow No. 6, Mica, Mimosa Tenuiflora Extract**
Micapoly FLWM Melon Dye, The Innovation Company

**Additional Functions:** Pigment, Powder

**FD&C Yellow No. 6, Perfluoroalkylpolyheterocyclophane, PTFE**
Tefpoly Melon Dye, The Innovation Company

**Additional Functions:** Pigment, Powder

**Ferric Ammonium Ferrocyanide**
Ferric Ammonium Ferrocyanide, Sun Chemical Corp.

**Glycerin, Disodium Cetyl Phenyl Ether**

**Disulfonate, Carbon Black**
Noir Covarine W9793, Sensient Cosmetic Technologies

**Helianthus Annuus (Sunflower) Seed,**
*Helianthus Annuus (Sunflower) Seed Extract,*
*Helianthus Annuus (Sunflower) Seed Oil,*
*Helianthus Annuus (Sunflower) Seed Oil Unsataponifiables,*
Heliunthus Annuus (Sunflower) Sprout Extract
Sunflower (Helianthus annuus) Flower Petal Powder 100%, Federal Ingredients

**Additional Functions:** Detangler, Flavoring Agent, Glossier, Hair Cleanser/Shampoo, Hair Conditioner, Humectant, Powder, Skin Clarifier, Skin Smoothing

**Hippophae Rhamnoides (Sea buckthorn) Oil**
Flaxe Sea buckthorn Pulp CO₂ extract, Flaxe Naturextrakte GmbH

**Hydrogenated Lecithin, Iron Oxides, Mica**
Colormat PI: Yellow, Black and Red, The Innovation Company

**Additional Functions:** Pigment, Powder

**Hydrogenated Lecithin, Mica**
Colormat PI White R, The Innovation Company

**Additional Functions:** Pigment, Powder

**Hydrogenated Lecithin, Mica, Ultrimarines**
Colormat PI Blue, The Innovation Company

**Additional Functions:** Pigment, Powder

**Ililite**
Colored Clay: Cedrus, COCOA 3774 Dark Chocolate, Corylus 3777 Pumpkin Cydonia 3776 Green Tint, Olea 3771 Puddy, Quercus 3772 Dark Gray and Tilia 3770 Khaki, Brenntag Specialties Inc., US Headquarters

**Iron Oxides**
Puricolor: Red PRE101 and Yellow PYE42, BASF SE

**Iron Oxide Black**
Duranat Black Iron Oxide, FastColours LLP
Iron Oxide Black, Sun Chemical Corp.

**Iron Oxide Black, Dimethicone**
C33-7001D Dimethicone Treated Black Iron Oxide, Sun Chemical Corp.

**Iron Oxide Black, Disodium Stearoyl Glutamate, Aluminum Sulfate**
C33-7001A Amino Acid Treated Black Iron Oxide, Sun Chemical Corp.

**Iron Oxide Black, Mica, Sodium C8-16 Isoalkylsuccinyl Lactoglobulin Sulfonate, Trimethylsiloxy silicate**
Colormat Woe Black, The Innovation Company

**Additional Functions:** Pigment, Powder

**Iron Oxide Black, Perfluoroalkylpolyheterocyclophane, PTFE**
Tefpoly 65% Black, The Innovation Company

**Additional Functions:** Pigment, Powder

**Iron Oxide Black, Ricinus Communis (Castor) Seed Oil**
COD-8004 Black Iron Oxide Castor Oil Dispersion, Sun Chemical Corp.

**Iron Oxide Black, Triethoxycaprylylsilane**
AS-5146, Color Techniques Inc.

**Iron Oxide Brown**
Iron Oxide Brown, Sun Chemical Corp.

**Iron Oxides, Methicone**
A401.30 Tudor Ebony Hydrophobic, A402.30 Tudor Rosewood Hydrophobic, A403.30 Tudor Oak Hydrophobic, A405.30 Tudor Chestnut Hydrophobic, A406.30 Tudor Mahogany Hydrophobic, A407.30 Tudor Willow Hydrophobic and A408.30 Tudor Walnut Hydrophobic, Kingfisher Colours Ltd./Sun Chemical

**Additional Functions:** Pigment

**Iron Oxides, Mica**
Cloisonne Satin: Copper 350M and Rouge, BASF Corporation

**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

**Iron Oxides, Mica, Mimosa Tenuiflora Extract**
Micapoly FLWM: Black, Prussian Blue, Red and Yellow, The Innovation Company

**Additional Functions:** Pigment, Powder

**Iron Oxides, Mica, Mimosa Tenuiflora Extract, Talc**
Micapoly FLWM Brown, The Innovation Company

**Iron Oxides, Sodium C18-21 Acid**
Micapoly FLWM: Black, Prussian Blue, Red and Yellow, The Innovation Company

**Additional Functions:** Pigment, Powder

**Iron Oxide Orange**
Iron Oxide Russet, Sun Chemical Corp.

**Iron Oxides, Perfluoroalkylpolyheterocyclophane, PTFE**
Tefpoly: Black, Prussian Blue, Red and Yellow, The Innovation Company

**Additional Functions:** Pigment, Powder
Iron Oxides, Perfluoroperhydrophenanthrene, PTFE, Talc
Tefpoly Brown, The Innovation Company
**Additional Functions:** Pigment, Powder

Iron Oxide Red
Duramat Red Iron Oxide, FastColours LLP
Iron Oxide Red, Sun Chemical Corp.
**Additional Functions:** Pigment

Iron Oxide Red, Dimethicone
C33-8001D Dimethicone Treated Red Iron Oxide, Sun Chemical Corp.

Iron Oxide Red, Disodium Stearoyl Glutamate, Aluminum Sulfate
C33-8001A Amino Acid Treated Red Iron Oxide, Sun Chemical Corp.
**Additional Functions:** Pigment

Iron Oxide Red, Mica, Sodium C8-16 Isostearoylsuccinyl Lactoglobulin Sulfonate, Trimethylsiloxydimethylsilicate
Colormat Woe Yellow, The Innovation Company
**Additional Functions:** Pigment, Powder

Iron Oxide Yellow, Mica, Sodium C8-16 Isostearoylsuccinyl Lactoglobulin Sulfonate, Trimethylsiloxydimethylsilicate
Colormat Woe Yellow, The Innovation Company
**Additional Functions:** Pigment, Powder

Iron Oxide Yellow, Perfluoroperhydrophenanthrene, PTFE
Tefpoly 65% Yellow, The Innovation Company
**Additional Functions:** Pigment, Powder

Iron Oxide Yellow, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Yellow, The Innovation Company
**Additional Functions:** Pigment, Powder

Iron Oxide Yellow, Ricinus Communis (Castor) Seed Oil
COD-8005 Yellow Iron Oxide Castor Oil Dispersion, Sun Chemical Corp.

Iron Oxide Yellow, Triethoxycaprylylsilane
AS-5131, Color Techniques Inc.

Isopropyl Myristate, Isopropyl Palmitate, Isopropyl Stearate
Lexol 3975, INOLEX, Incorporated
**Additional Functions:** Antioxidant, Emollient, Fragrance (Parfum) Component

Kaolin
Colored Clay: Rosa 3775 Blush and Vulcanus 3773 Grayish Black, Brenntag Specialties Inc., US Headquarters

Lactobacillus/Nereocystis Leutkeana Ferment Filtrate
FSS Bull Kelp Bioferment, Formulator Sample Shop, LLC
**Additional Functions:** Buffer, Chelating Agent, Cooling Agent, Cosolvent, Coupling Agent, Dandruff Treatment

Linumus Alba (Meadowfoam) Seed Oil, Nylon-12, Ultramarines
Nylonpoly FLWM Blue, The Innovation Company
**Additional Functions:** Pigment, Powder

Lithospermum Officinale Extract
Flavex Gromwell Root CO2 extract, Flavex Natureextrakte GmbH
**Additional Functions:** Antibacterial, Anti-inflammatory, Antimicrobial, Antioxidant, Skin Protectant

Manganese Violet
C45-001 Manganese Violet, Sun Chemical Corp.
Pur-Man Violet B.C., Emerald Performance Materials

Manganese Violet, Methicone
A303.30 Tudor Violet Hydrophobic, Kingfisher Colours Ltd./Sun Chemical Corp.
**Additional Functions:** Pigment

Manganese Violet, Mica, Mimosa Tenuiflora
Extract
Micapoly FLWM Violet, The Innovation Company
**Additional Functions:** Pigment, Powder

Manganite Violet, Perfluoroperhydrophenanthrene, PTFE
Tefpoly Violet, The Innovation Company
**Additional Functions:** Pigment, Powder

Mauritia Flexuosa Fruit Oil
RainForest Buriti Oil, Beraca
**Additional Functions:** Anti-aging, Anti-inflammatory, Moisturizer, Skin Protectant

Methicone, Titanium Dioxide
A310.30 Tudor Aspen Hydrophobic, Kingfisher Colours Ltd./Sun Chemical Corp.
**Additional Functions:** Pigment

Methicone, Ultramarines
A302.30 Tudor Harebell Hydrophobic, A304.30 Tudor Lavender Hydrophobic and A305.30 Tudor Mallow Hydrophobic, Kingfisher Colours Ltd./Sun Chemical Corp.
**Additional Functions:** Pigment

Mica
Chroma-Lite Purple CL4510; Mearlmica: CF, DD M8302, II, SV and UF, BASF Corporation
**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

Mica, Bismuth Oxychloride
Bi-Lite 20 BL1070, BASF Corporation
**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

Mica, Bismuth Oxychloride, Carmine
Chroma-Lite Magenta CL4503, BASF Corporation
**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

Mica, Bismuth Oxychloride, Ferric Ammonium Ferrocyanide
Chroma-Lite Dark Blue CL4501, BASF Corporation
**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

Mica, Bismuth Oxychloride, Iron Oxides
Chroma-Lite: Black CL4498, Bronze CL4499, Brown CL4509, Gold CL4504, Mauve CL4511, Red CL4506 and Yellow CL4502, BASF Corporation
**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

Mica, Bismuth Oxychloride, Manganese Violet
Chroma-Lite Violet CL4507, BASF Corporation
**Additional Functions:** Pearlant/Pearling Agent, Pigment
Mica, CI 77891
Ronafair Extender W, Merck KGaA

Mica, Iron Oxides
C84-6278 SunPURO Maroon, Sun Chemical Corp.
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide
C80-1108 SunPURO Fine White, Sun Chemical Corp.
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Iron Oxides, Titanium Dioxide
Cloisonne: Copper 340X, Golden Bronze 240X, Nu-Antique Bronze, Nu-Antique Copper 340XB, Nu-Antique Rouge Flambe, Orange 363C, Rouge Flambe 440X; Gemtone Tan Opal G005; Timica: Copper 340A, Nu-Antique Bronze 240AB and Nu-Antique Copper 340AB, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Lauroyl Lysine
Mearlmaica Treated SVA, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Mimosa Tenuiflora Extract
Micapoly FLWM: Electric Pink Lake and Eosin Dye, The Innovation Company
Additional Functions: Pigment, Powder

Mica, Mimosa Tenuiflora Extract, Titanium Dioxide
Micapoly FLWM: White and White Rutile, The Innovation Company
Additional Functions: Pigment, Powder

Mica, Mimosa Tenuiflora Extract, Ultramarines
Micapoly FLWM Blue, The Innovation Company
Additional Functions: Pigment, Powder

Mica, Sodium CB-16 Isoalkylsuccinyl Lactoglobulin Sulfonate, Trimethylsiloxyisilicate, Ultramarines
Colourmat Woe Blue, The Innovation Company
Additional Functions: Pigment, Powder

Mica, Tin Oxide, Iron Oxides
Desert Reflections Canyon Sunset, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Carmine
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Carmine, Ferric Ferrocyanide
Cloisonne Violet 525C and Gemtone Mauve Quartz G013, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Chromium Oxide Green
Cloisonne: Blue-Green 728C and Green 828C, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Chromium Oxide Green, Iron Oxides
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Ferric Ferrocyanide
Cloisonne: Blue 626C and Sparkle Blue 626J; Duocrome: BG (Blue/Green) 826C, BR (Blue/Red) 426C, BV (Blue/Violet) 526C, BY (Blue/Gold) 226C, Sparkle BR (Blue/Red) 426J and Sparkle BY (Blue/Gold) 226J, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Ferric Ferrocyanide, Carmine
Gemtone: Amethyst G008 and Sapphire G011, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Hydrogenated Polyisobutene, Palmitic Acid, Butylparaben, Propylparaben, Red 7
Cellini Red 420CR7F, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder

Mica, Titanium Dioxide, Hydrogenated Polysobutene, Palmitic Acid, Butylparaben, Propylparaben
Cellini Coral 420CR40F, BASF Corporation
Additional Functions: Pearlant/Pearling Agent, Pigment, Powder
Corporation  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Mica, Titanium Dioxide, Iron Oxides, Carmine**  
Cloisonne Nu-Antique Red; Gemtone: Garnet G009, Ruby G010 and Sunstone G012, BASF Corporation  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Mica, Titanium Dioxide, Iron Oxides, Chromium Oxide Green**  
Cloisonne Nu-Antique Green, BASF Corporation  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Perfluoroperhydrophenanthrene, PTFE, Ultramarines**  
Tepoly: 65% Blue and Blue, The Innovation Company  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Perfluoroperhydrophenanthrene, PTFE, Titanium Dioxide**  
Cellini Yello 220CY5F, BASF Corporation  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Perfluoroperhydrophenanthrene, PTFE, Pigment Red 4**  
Puricolor Red PRE4, BASF SE  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Podophyllum Peltatum Extract**  
Sirtuin Complex, Active Concepts LLC  
*Additional Functions: *Antibacterial, Anti-inflammatory, Anti-irritant, Anti-wrinkle, Binder, Blood Circulation Agent-Skin, Cellulite Treatment, Cooling Agent

**Propylene Glycol, CI 77499, Silica**  
Black Covasop W9774, Sensient Cosmetic Technologies  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**3-Nitro-P-Hydroxyethylaminophenol**  
Rodol HENP, Lowenstein, Jos. H. & Sons Inc.

**Nylon-12, Soy Amino Acids, Titanium Dioxide**  
Nylonopoly FLWM White, The Innovation Company  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Octyl Palmitate**  
Eastman GEM 2-ethylhexyl palmitate, Eastman Chemical Co.  
*Additional Functions: *Emollient

**Perfluoroperhydrophenanthrene, PTFE**  
Tepoly: White and White Rutile, The Innovation Company  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Pigment Red 4**  
Puricolor Red PRE4, BASF SE  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Podophyllum Peltatum Extract**  
ABS Sirtuin Complex, Active Concepts LLC  
*Additional Functions: *Antibacterial, Anti-inflammatory, Anti-irritant, Anti-wrinkle, Binder, Blood Circulation Agent-Skin, Cellulite Treatment, Cooling Agent

**Polyethylene Terephthalate**  
Cosmetic Glitter, Sigmund Lindner GmbH  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Polyethylsilsesquioxane**  
SilDerm SQ, Sensient Cosmetic Technologies  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Red 4**  
Uncert Red 0704-J, Sensient Cosmetic Technologies  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Sodium Carboxyethylenetriol (proposed)**  
HS Surface Treatment, Gelest Inc.  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Solanum Lycopersicum (Tomato) Fruit Lipids**  
Lyc-O-Mato 6%, Lycored Corp.  
*Additional Functions: *Anti-aging, Anti-inflammatory, Antioxidant, Anti-wrinkle, Skin Smoothing

**Solanum Lycopersicum (Tomato) Extract**  
Tomato Extract, Givaudan SA  
*Additional Functions: *Antioxidant

**Solvent Black 3**  
Solvent Black 3, Spectra Colors Corp.  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Solvent Red 24**  
Solvoment Red 24, Spectra Colors Corp.  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Solvent Red 3**  
Bestoil Brown B, FastColours LLP  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Solvent Yellow 16**  
Bestoil Yellow 3GP, FastColours LLP  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Solvent Yellow 33**  
Bestoil Yellow YC, FastColours LLP  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Sunset Yellow**  
E110 Sunset Yellow Granular and E110 Sunset Yellow Lake 20-24, FastColours LLP  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Synthetic Fluorphlogopite, Iron Oxide Red**  
C84-6185 SunSHINE Spectral Bronze, Sun Chemical Corp.  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Synthetic Fluorphlogopite, Iron Oxides 77491**  
C84-6070 SunSHINE Soft Russet, C84-6080 SunSHINE Soft Bronze, C84-6080 SunSHINE Soft Copper, Sun Chemical Corp.  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Synthetic Fluorphlogopite, Titanium Dioxide**  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Synthetic Fluorphlogopite, Titanium Dioxide, Iron Oxides**  
C81-3531 SunShINE Crystal Red, Sun Chemical Corp.  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Synthetic Fluorphlogopite, Titanium Dioxide, Iron Oxides 77491**  
C84-4001 SunSHINE Soft Golden, Sun Chemical Corp.  
*Additional Functions: *Pearlant/Pearling  
Agent, Pigment, Powder

**Synthetic Fluorphlogopite, Titanium Dioxide, Iron Oxides, Tin Oxide**  
Chione Celestial Gold, BASF Corporation
**Titanated Micas**
Prestige Silver Pearlescent Pigments, Eckart Cosmetic Colours LLC

**Additional Functions:** Pearlant/Pearling Agent, Pigment

**Titanium Dioxide**
C47-060 Titanium Dioxide, Sun Chemical Corp.

**Additional Functions:** Pigment

E171 Titanium Dioxide, FastColours LLP

KEMIRA AFDC, Kemira Pigments Oy

Puricolor White PWH6, BASF SE

Titanium Dioxide, Emerald Performance Materials

**Titanium Dioxide, Dimethicone**
C47-501D and C98-0001D Dimethicone Treated Titanium Dioxide, Sun Chemical Corp.

**Titanium Dioxide, Disodium Stearoyl Glutamate, Aluminum Sulfate**
C47-501A and C98-0001A Amino Acid Treated Titanium Dioxide, Sun Chemical Corp.

**Titanium Dioxide, Mica**
Flamenco: Summit Turquoise T30D, Super Blue 630Z, Super Green 830Z and Super Violet 530Z, BASF Corporation

**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

**Titanium Dioxide, Mica, Ferric Ferrocyanide**
Cloisonne Super Blue 636Z, BASF Corporation

**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

**Titanium Dioxide, Mica, Iron Oxides, Ferric Ferrocyanide**
Cloisonne Super Green 827C, BASF Corporation

**Additional Functions:** Pearlant/Pearling Agent, Pigment, Powder

**Titanium Dioxide, Ricinus Communis (Castor) Oil (proposed)**
COD 8008 Titanium Dioxide Castor Oil Dispersion, Sun Chemical Corp.

**Titanium Dioxide, Triethoxycaprylylsilane**
AS-5812, Color Techniques Inc.

**Ultramarines**
C43-1810 Ultramarine Blue and C43-4875 Ultramarine Pink, Sun Chemical Corp.

Puricolor Blue PBL29, BASF SE

**Vitis Vinifera (Grape) Skin Extract**
Red and White Grapeskin Extract, Givaudan SA

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**Additional Functions:**

- **Yellow 5**
  - Uncert Yellow 08005-J, Sensient Cosmetic Technologies

- **Zinc Oxide**
  - CellMark Chemicals
  - Additional Functions: Sunscreen-UVA, Sunscreen-UVB

**PIGMENT**

**Alumina, Iron Oxides, Mica**
Colorona Passion Orange, Glitter Orange, EMD Chemicals Inc.-RONA Cosmetic Business Unit

**Aluminum Calcium Sodium Silicate, Iron Oxides**
Diamond Dust Bronze/GCX-5511, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Iron Oxides, Silica**
Diamond: Bronze/GMX-Brz500, Copper/GMX-Cp500 and Gold/GMX-Gld500

**Aluminum Calcium Sodium Silicate, Tin Oxide, Tin Oxide, Titanium Dioxide**
Diamond Red Gold/GCX-8331, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Silica, Iron Oxides**
Diamond Variable OM 24/GDX-OM 24, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Tin Oxide, Titanium Dioxide**

**Aluminum Calcium Sodium Silicate, Titanium Dioxide**

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Ferric Ferrocyanide, Tin Oxide**
Diamond Sky Blue/GCX-4425, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Iron Oxides, Ferric Ferrocyanide, Tin Oxide**
Diamond Yellowish Green/GCX-4431, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Iron Oxides, Tin Oxide**
Diamond: Light Gold/GMX-8311 and Sunny Gold/GCX-8321, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Silica**

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Tin Oxide**

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Tin Oxide, Camrine**
Diamond: Diamond Red Rose GCX-4422, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Tin Oxide, Ferric Ferrocyanide**
Diamond Light Blue/GCX-4405, Impact Colors Inc.

**Aluminum Calcium Sodium Silicate, Titanium Dioxide, Tin Oxide, Silica**

**Aluminum Powder, Ferric Ferrocyanide, Silica**
Alchemique: Shimmer Topaz/AMM-6B15 and Topaz/AMM-3B15, Impact Colors Inc.

**Aluminum Powder, Iron Oxides, Ferric Ferrocyanide, Silica**

**Barium Sulfate, Mica**
Low Luster Pigment, EMD Chemicals Inc.-
RONA Cosmetic Business Unit

Bismuth Oxycyanide, Butyl Acetate, Ethyl Acetate, Isopropyl Alcohol, Nitrocellulose, Stearalkonium Hectorite
Nailsyn II C2X, II Platinum 25, C60, Platinum 60, Sterling 60, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Bismuth Oxycyanide, Carmine
Bichroma Carmine, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Bismuth Oxycyanide, Mica
Bichroma: Diamond (MBC-D1) and Diamond Ultra (MBC-D2), Impact Colors Inc.

Mibiron, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Bismuth Oxycyanide, Mica, Chromium Oxide Green, Mica, Magnesium Stearate
Bichroma Magenta (MBC-Mag), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Chromium Oxide Green, Mica, Magnesium Stearate
Bichroma Green (MBC-G), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Ferric Ammonium Ferrocyanide, Calcium Stearate
Bichroma Light Blue (MBC-LB), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Ferric Ammonium Ferrocyanide, Magnesium Stearate
Bichroma Dark Blue (MBC-DB), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Iron Oxides
Bichroma Red (MBC-R), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Iron Oxides, Magnesium Stearate
Bichroma: Black (MBC-B), Brown (MBC-Br) and Yellow (MBC-Y), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Iron Oxides, Magnesium Violet, Magnesium Stearate
Bichroma Mauve (MBC-Mv), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Manganese Violet, Magnesium Stearate
Bichroma Violet (MBC-V), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Titanium Dioxide
Bichroma Diamond Ultra: Lite (MBC-D4) and White (MBC-D3), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Titanium Dioxide, Iron Oxides, Magnesium Stearate
Bichroma Dorado (MBC-D), Impact Colors Inc.

Bismuth Oxycyanide, Mica, Ultramarines, Magnesium Stearate
Bichroma Purple (MBC-P), Impact Colors Inc.

Bismuth Oxycyanide, Polysorbate 20
Biron NLD, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Bismuth Oxycyanide, Ricinus Communis (Castor) Seed Oil
Biron Silver CO, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Boron Nitride
TBNO2 and Tres BN, Saint-Gobain Advanced Ceramics
Additional Functions: Adhesion Promoter, Lubricant, Oil Absorbent, Powder

Boron Nitride, Dimethicone, Titanium Dioxide
Tres BN, PUHP838, Saint-Gobain Advanced Ceramics
Additional Functions: Film-former, Lubricant, Powder

Boron Nitride, Dimethicone, Titan Oxide
Tres BN, PUHP838, Saint-Gobain Advanced Ceramics
Additional Functions: Adhesion Promoter, Lubricant, Oil Absorbent, Powder, SPF Booster, Sunscreen-UVA, Sunscreen-UVB

Butylene Glycol, Polymethylsilsesquioxane
SilDerm Emulsifying BG, Active Concepts LLC
Additional Functions: Cooling Agent, Emulsifier, Hair Cleanser/Shampoo, Hair Conditioner, Hair-set Polymer/Resin, Lanolin Substitute, Moisturizer, Oil Absorbent, Oxidant

Butyl Methoxydibenzoylmethane, Ethylene/VA Copolymer, Nylon-12, Octyl Methoxycinnamate
Nylonpoly UVA-UVB, The Innovation Company
Additional Functions: Powder, Sunscreen-UVA, Sunscreen-UVB

Calcium Aluminum Borosilicate, Cyclomethicone, Dimethicone, Iron Oxides, Titan Oxide
Spheropoly UV Shadow, The Innovation Company
Additional Functions: Powder, Skin Protectant, SPF Booster

Calcium Carbonate, Silk Extract
Silkall CA, Ikeda Corp.
Additional Functions: Powder

Calcium Sodium Borosilicate, Silver
Argentique: Satin Silver/GML-S03PS-C, Shimmer Silver/GML-S02PS and Sparkle Silver/GML-S01PS, Impact Colors Inc.

Calcium Sodium Borosilicate, Tit Oxide, Titan Oxide
Kaleidoscope: BGG-100/GI100-BGG and VBG-150/GI150-VBG, Impact Colors Inc.

Calcium Sodium Borosilicate, Titan Oxide, Tit Oxide

Caprylic/Capric Triglyceride, Hoya Lacunosa Flower Extract
Crodarom Porcelain Flower, Croda
Additional Functions: Skin Cleanser

Cellulose, Iron Oxides 77499, Silica
Cellulobeads D-10(UB-33), Kobo Products Inc.
Additional Functions: Feel Enhancer

Cellulose, Iron Oxides CI 77492
Cellulobeads D-10(Y-33P), Kobo Products Inc.
Additional Functions: Feel Enhancer

CI 77499, Dimethicone
SA-C337001-10, Miyoshi Kasei Inc.

CI 77891, Water (aqua), Glyceryl, Xanthan Gum, Sodium Citrate
Covarine White WN 9787, Sensient Cosmetic Technologies

D&C Red No. 30, Mica
Colorona Imperial Red, EMD Chemicals Inc.-RONA Cosmetic Business Unit

FD&C Blue No. 1
Uncert Blue 05601-J, Sensient Cosmetic Technologies

Ferric Ferrocyanide
Colorona: Light Blue and Dark Blue, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Ferric Ferrocyanide, Mica
Microna Matte Blue, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Iron Oxides
Eldorado Bronze Shimmer/MML-530, Impact Colors Inc.
<table>
<thead>
<tr>
<th>Iron Oxide Black</th>
<th>NHS-C337001-10, Miyoshi Kasei Inc.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Iron Oxide Black, Isopropyl Titanium Triisostearate</td>
<td>BBO-12, Kobo Products Inc.</td>
</tr>
<tr>
<td><strong>Additional Functions:</strong></td>
<td>Feel Enhancer</td>
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<tr>
<td>Iron Oxides, Dimethicone</td>
<td>SA-C47051-10, Miyoshi Kasei Inc.</td>
</tr>
<tr>
<td>Iron Oxides, Hydrogenated Polydecene, Hydroxystearic Acid</td>
<td>Creapers Colours, Coast Southwest Inc.</td>
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<tr>
<td><strong>Additional Functions:</strong></td>
<td>Anti-caking</td>
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<tr>
<td>Iron Oxides, Isopropyl Titanium Triisostearate</td>
<td>BYO-12, Kobo Products Inc.</td>
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<tr>
<td><strong>Additional Functions:</strong></td>
<td>Feel Enhancer</td>
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<tr>
<td>Iron Oxides, Lecithin, Methicone, Polyethylene, Talc, Titanium Dioxide Ultracolor Soft Focus</td>
<td>Ultra Chemical Inc.</td>
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<tr>
<td>Iron Oxides, Mica</td>
<td>Colorona: Blackstar Colors and Metallics; Eldorado Mauve/MMM-505; Microna Matte Black, Orange, Red and Yellow, EMD Chemicals Inc.-RONA Cosmetic Business Unit</td>
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<tr>
<td>Iron Oxides, Octyl Methoxycinnamate</td>
<td>Nylonpoly COMBO, The Innovation Company</td>
</tr>
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<td><strong>Additional Functions:</strong></td>
<td>Powder, Sunscreen-UVB</td>
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<td>Iron Oxide Red</td>
<td>EA-1226, Color Techniques Inc.</td>
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<tr>
<td>Iron Oxide Red, Isopropyl Titanium Triisostearate</td>
<td>BRO-12, Kobo Products Inc.</td>
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<tr>
<td><strong>Additional Functions:</strong></td>
<td>Feel Enhancer</td>
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<tr>
<td>Iron Oxide Red, Methoxy PEG-10</td>
<td>Propyltrimethoxysilane</td>
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<tr>
<td>Propyltrimethoxysilane</td>
<td>PGSS-22 Red No. 211P, Daito Kasei Kogyo Co., Ltd.</td>
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<tr>
<td>Iron Oxides 77491, Cyclopentasiloxane, PEG/PPG-18/18 Dimethicone, Triethoxycaprylylsilane, Tocopherol Acetate FASS0EYSL-E</td>
<td>Kobo Products Inc.</td>
</tr>
<tr>
<td><strong>Additional Functions:</strong></td>
<td>Glosser, Opacifier</td>
</tr>
<tr>
<td>Iron Oxides 77491, Dimethicone</td>
<td>DHLMDH-R-77491 Red, U.S. Cosmetics Corp./Miyoshi America Inc.</td>
</tr>
<tr>
<td>Iron Oxides 77491, Magnesium Myristate</td>
<td>BRO/MM3, Kobo Products Inc.</td>
</tr>
<tr>
<td>Iron Oxides 77491, Triethoxycaprylylsilane</td>
<td>BRO-1152, Kobo Products Inc.</td>
</tr>
<tr>
<td>Iron Oxides 77491, Water (aqua), Glycerin, Xanthan Gum, Sodium Citrate</td>
<td>Covarine Red WN 3798, Sensient Cosmetic Technologies</td>
</tr>
<tr>
<td>Iron Oxides 77499, Cyclopentasiloxane, PEG/PPG-18/18 Dimethicone, Triethoxycaprylylsilane, Tocopherol Acetate</td>
<td>FASS0EBSL-E, Kobo Products Inc.</td>
</tr>
<tr>
<td><strong>Additional Functions:</strong></td>
<td>Glosser, Opacifier</td>
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<td>Iron Oxides 77499, Dimethicone</td>
<td>DHL-B-77499 Black, U.S. Cosmetics Corp.</td>
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<tr>
<td>Iron Oxides 77499, Magnesium Myristate</td>
<td>BRO/MM3, Kobo Products Inc.</td>
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<td>Iron Oxides 77499, Octylodecanol, Jojoba Esters, Trihydroxyxystearin</td>
<td>OD75BJE, Kobo Products Inc.</td>
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<tr>
<td>Iron Oxides 77499, Triethoxycaprylylsilane</td>
<td>BBO-1152, Kobo Products Inc.</td>
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<tr>
<td>Iron Oxides 77499, Water (aqua), Glycerin, Sodium Citrate, Xanthan Gum</td>
<td>Covarine Black WN 9798, Sensient Cosmetic Technologies</td>
</tr>
<tr>
<td>Iron Oxides CI 77492, Cyclopentasiloxane, PEG/PPG-18/18 Dimethicone, Triethoxycaprylylsilane, Tocopherol Acetate FASS0EYSL-E</td>
<td>Kobo Products Inc.</td>
</tr>
<tr>
<td><strong>Additional Functions:</strong></td>
<td>Glosser, Opacifier</td>
</tr>
<tr>
<td>Iron Oxides CI 77492, Dimethicone</td>
<td>DHL-Y-77492 Yellow, U.S. Cosmetics Corp.</td>
</tr>
<tr>
<td>SA-C338001-10 and SA-C339001-10, Miyoshi Kasei Inc.</td>
<td></td>
</tr>
<tr>
<td>Iron Oxides CI 77492, Magnesium Myristate</td>
<td>BYO/MM3, Kobo Products Inc.</td>
</tr>
<tr>
<td>Iron Oxides CI 77492, Triethoxycaprylylsilane</td>
<td>BYO-1152, Kobo Products Inc.</td>
</tr>
<tr>
<td>Iron Oxides CI 77492, Water (aqua), Glycerin, Xanthan Gum, Sodium Citrate</td>
<td>Covarine Yellow WN 1798, Sensient Cosmetic Technologies</td>
</tr>
<tr>
<td>Iron Oxide Yellow</td>
<td>NHS-C339001-10, Miyoshi Kasei Inc.</td>
</tr>
<tr>
<td>Iron Oxide Yellow, Methoxy PEG-10</td>
<td></td>
</tr>
</tbody>
</table>
Mica, Dimethicone
Distinctive Si-Sericite, Resources of Nature Inc.
Additional Functions: Feel Enhancer

Mica, Iron Oxides

Mica, Iron Oxide Brown, Titanium Dioxide
Timica Terra Brown, BASF Corporation

Mica, Iron Oxide Red
Colorora Sienna Sparkle, Merck KGaA

Mica, Iron Oxides, Silica

Mica, Iron Oxides, Titanium Dioxide
Colorora Tibetan Ochre, EMD Chemicals Inc.-RONA Cosmetic Business Unit
Timica Terra Black, BASF Corporation

Mica, Iron Oxides, Titanium Dioxide, Silica
Cloisonne Vivid Red, BASF Corporation

Mica, Iron Oxide Yellow, Titanium Dioxide
Timica Terra Yellow, BASF Corporation

Mica, Magnesium Myristate
MICA S/MM3, Kobo Products Inc.

Mica, Methicone
GMS-MS3, Kobo Products Inc.

Mica, Silica
Timiron Splendid Colors, EMD Chemicals Inc.-RONA Cosmetic Business Unit
Velvetveil A, X, Y, Z, Ikeda Corp.
Additional Functions: Powder

Mica, Tin Oxide
Timiron Super Violet, Super Copper; Silk Colors; Starlight Colors, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Mica, Tin Oxide, Titanium Dioxide
Impact Silver Rutile (MWW-103) and Optique Shimmer Green/MIL-299, Impact Colors Inc.

Soloron, EMD Chemicals Inc.-RONA Cosmetic Business Unit

Mica, Titirated Micas
Impact Velvet/MWW-110, Impact Colors Inc.

Mica, Titanium Dioxide
Chromatique Starlight Chestnut Brown/MCM-4389, Impact Colors Inc.
Extender W, EMD Chemicals Inc.-RONA Cosmetic Business Unit
Timica Soft Sparkle White, BASF Corporation

Mica, Titanium Dioxide, Carmine
Chromatique Carmine/MCL-4448, Impact Colors Inc.

Mica, Titanium Dioxide, Carmine, Tin Oxide
Chromatique Carmine Red/MCL-CR, Impact Colors Inc.

Mica, Titanium Dioxide, Carmine, Tin Oxide, Methicone
Chromatique Pink Rose/MCM-400, Impact Colors Inc.

Mica, Titanium Dioxide, Ferric Ferrocyanide
Chromatique: Milori Blue/MCM-4425 and Starlight Kronbergs Green/MCM-4446, Impact Colors Inc.

Mica, Titanium Dioxide, Iron Oxides
Flamencio: Silk Orange 330M, BASF Corporation
Midnight: Bronze/MCM-MBr, Gold/MGF-MGo and Silver/MWM-Sr, Impact Colors Inc.
Timica Terra Red, BASF Corporation

Mica, Titanium Dioxide, Iron Oxides, Carmine, Tin Oxide
Midnight Red/MCM-MRe, Impact Colors Inc.

Mica, Titanium Dioxide, Iron Oxides, Ferric Ferrocyanide
Midnight: Blue/MCM-MBl and Green/MCM-MGr, Impact Colors Inc.

Mica, Titanium Dioxide, Iron Oxides, Tin Oxide

Mica, Titanium Dioxide, Silica

Mica, Titanium Dioxide, Tin Oxide

Nylon-6, Carbon Black
Fiberlon 102 DC B2, Sensient Cosmetic Technologies

Polyethylene Spheres, Polyethylene Powder, Polyethylene Paste, Polyethylene, Micronized, Polyethylene Wax
Polyethylene Microspheres, Cospheric LLC
Additional Functions: Exfoliant, Feel Enhancer, Opacifier, Photo-stabilizer, Polish, Polymer, Powder, Rheology Modifier, Skin Smoothing

Sericite
Impact Sericite White, Impact Colors Inc.

Silica, Titanium Dioxide
Optoleka and Spherititian, Ikeda Corp.
Additional Functions: Powder, Skin Protectant

Silica, Titanium Dioxide, Tin Oxide
Xirona: Kiwi Rose and Volcanic Fire, Merck KGaA

Silk Extract, Talc
Silkall TL, Ikeda Corp.
Additional Functions: Powder
Silk Extract, Titanium Dioxide
Silkall TI, Ikeda Corp.
Additional Functions: Powder

Silk Extract, Zinc Oxide
Silkall ZN, Ikeda Corp.
Additional Functions: Powder

Sorbitan Laurate
Span 20, Croda
Additional Functions: Emulsifier, Wetting Agent

Synthetic Fluorphlogopite
Fiesta: Super Gold 700/FGX-SGS, SynPear Mica/FL-SPL, SynSatin Mica/FL-SSN and SynSilk Mica/FL-SSK, Impact Colors Inc.

Synthetic Fluorphlogopite, Iron Oxides
Colorona SynCranberry, TCR Industries Inc.

Synthetic Fluorphlogopite, Iron Oxides, Silica

Synthetic Fluorphlogopite, Lauryl Lysine
Chione M SVA, BASF Corporation

Synthetic Fluorphlogopite, Silica, Iron Oxides
Fiesta Gemini GR-37/FGM-GR37, Impact Colors Inc.

Synthetic Fluorphlogopite, Tin Oxide
Fiesta Sparkle Fire Red/FL-8815, Impact Colors Inc.

Synthetic Fluorphlogopite, Tin Oxide, Titanium Dioxide
Fiesta: Shimmer Blue/FL-8525, Sky Blue/FL-8825 and Sparkling Gold/FIM-SGld, Impact Colors Inc.

Synthetic Fluorphlogopite, Titanium Dioxide
Chione HD: Crisp Gold, Crystal Mint, Infinite White, Metric Violet and Pixel White; Chione Infinite White S130V, BASF Corporation
Fiesta: Sparkle White/FL-8800 and White Silk/FCF-WHT, Impact Colors Inc.

Synthetic Fluorphlogopite, Titanium Dioxide, Iron Oxides

Synthetic Fluorphlogopite, Titanium Dioxide,
Tin Oxide

Synthetic Fluorphlogopite, Titanium Dioxide, Tin Oxide, Carmine
Fiesta Carmine Red/FL-CR, Impact Colors Inc.

Talc
Ultra Talc, Ultra Chemical Inc.

Talc, Lecithin
Talc A-CL3, Kobo Products Inc.
Additional Functions: Feel Enhancer

Talc, Titanium Dioxide
Coverleaf PC-2035T, Ikeda Corp.
Additional Functions: Powder, Skin Protectant

Talc, Titanium Dioxide, Aluminum Hydroxide, Magnesium Stearate
TTC-30, Miyoshi Kasei Inc.
Additional Functions: Opacifier, Powder, SPF Booster, Sunscreen-UVB, Sunscreen-UVA

Tin Oxide, Mica, Titanium Dioxide
Optique Shimmer Blue/MIL-289, Impact Colors Inc.

Tin Oxide
Coverleaf PC-2055S, Ikeda Corp.
Additional Functions: Powder, Skin Protectant

Unipur White LC987 EM, Sensient Cosmetic Technologies

Titanium Dioxide, Alumina, Triethoxycaprylsilane
A10-TiO2-11S7, Kobo Products Inc.
Additional Functions: Sunscreen-UVA, Sunscreen-UVB

Titanium Dioxide, Cellulose, Aluminum Hydroxide
Cellulobeads D-10(Ti-33), Kobo Products Inc.
Additional Functions: Feel Enhancer

Titanium Dioxide, Cyclopentasiloxane, PEG/PPG-18/18 Dimethicone, Triethoxycaprylsilane, Tocopherol Acetate
EAS70USI-E, Kobo Products Inc.
Additional Functions: Glosser, Opacifier

Titanium Dioxide, Dimethicone
ST1946, Brenntag Specialties Inc., US Headquarters
Additional Functions: Adhesion Promoter, Feel Enhancer, Sunscreen-UVB, Sunscreen-UVA

Titanium Dioxide, Isopropyl Titanium Triisostearate
BTD-401, Kobo Products Inc.
Additional Functions: Feel Enhancer

Titanium Dioxide, Magnesium Myristate
BTD/MM3, Kobo Products Inc.

Titanium Dioxide, Methoxy PEG-10 Propytrimethoxysilane
PGSS-2 TIO2 R250, Daito Kasei Kogyo Co., Ltd.

Titanium Dioxide, Synthetic Fluorphlogopite
Chione HD Metric Violet S530V, BASF Corporation

Titanium Dioxide, Synthetic Fluorphlogopite, Tin Oxide
Fiesta Silver Sheen/FL-8000, Impact Colors Inc.

Titanium Dioxide, Tin Oxide, Synthetic Fluorphlogopite
Fiesta Satin Blue/FL-8225, Impact Colors Inc.
Company Description:

Cosmetics & Toiletries is a highly respected and valuable resource for cosmetic formulators, research scientists and R&D managers. Our peer-reviewed scientific content provides knowledge on new technologies and ingredients, formulating techniques, international regulations, research, testing methods and industry news to help you formulate and market cutting edge personal care products.

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630-344-6041

Contact Person for Follow-Up Questions
Marie Galvan
mgalvan@allured.com
630-344-6027
**BB Cream**  
*Air Products and Chemicals*  
The BB Cream shows how the polymer can provide a differentiated feel to skin care. Consumers seeking to enjoy a pigment-driven body blush will be delighted by the differentiated the polymer helps provide to this formulation. The polymer’s deposition and barrier properties further enhance this formulation by improving deposition of the pigments onto the skin as well as by reducing rub-off and transference of the pigments. The polymer’s deposition and barrier benefits have been substantiated across various ingredients, including active ingredients, inorganic salts and pigments.

**A.** Mineral Oil 2.00% w/w  
Ethylhexyl Palmitate 5.00  
Cetyl Alcohol 1.00  
Emulsifying Wax NF 3.00  
Steareth-2 2.00  
Steareth-21 2.00  
Iron Oxides (and) Isopropyl Titanium Trisostearate (BYO-12, Kobo Products Inc.) 1.30  
Iron Oxide Black (and) Isopropyl Titanium Trisostearate (EBO-12, Kobo Products Inc.) 0.40  
Iron Oxide Red (and) Isopropyl Titanium Trisostearate (EBT-401, Kobo Products Inc.) 0.15  
Titanium Dioxide (and) Isopropyl Titanium Trisostearate (BTD-401, Kobo Products Inc.) 6.50  
Mica (and) Methicone (GMS-MS3, Kobo Products Inc.) 6.50  

**B.** Water (aqua) 55.40  

**C.** Xanthan Gum 0.20  

**D.** Water (aqua) 12.00  
Polyquaternium-101 (Deposilk Q1 Polymer, Air Products and Chemicals) 1.55  

**E.** Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben (Germaben II, Ashland Specialty Ingredients) 1.00  

100.00  

**Procedure:** In a vessel, combine A and begin mixing and heating to 85°C. In another vessel, add B and begin mixing. Sift xanthan gum into the water C into B and allow it to fully incorporate. Begin heating BC to 85°C. Once both vessels reach 85°C, add BC to A. Mix for 3 min. Reduce heat to 60°C and homogenize for 3 min at 6000 rpm. Prepare D by dispersing polymer in water. Add D to batch. Continue to mix and cool to 40°C. Homogenize again for 3 min at 6000 rpm. Add E and mix until RT has been reached.  

**Note:** Mica used was a Kobo product containing Mica (and) Methicone.

**Non-tacky, Transfer-resistant Lipstick**  
*Air Products and Chemicals*  
This lipstick contains a polymer that is designed to provide a non-greasy, non-tacky feel as well as transfer resistance and long lasting color. The polymer is used as an oil phase thickener and/or structuring agent.

**A.** Octyldodecanol (Eutanol G, BASF SE) 26.30% w/w  
Isopropylparaben (and) Isobutylparaben (and) Butylparaben (LiquaPar Oil, Ashland Specialty Ingredients) 0.10  
Isopropyl Palmitate 15.00  
Octinocate (proposed) 7.50  
Benzophenone-3 (Uvinul M40, BASF AG) 5.00  
Mineral Oil 30.00  
Hydrogenated Castor Oil 4.50  
C10-30 Alkyl Acrylate (Intellimer IPA 13-6 Polymer, Air Products and Chemicals) 10.00  
Titanium Dioxide (and) Ricianus Communis (Castor) Oil (proposed) (COD 8008 Titanium Dioxide Castor Oil Dispersion, Sun Chemical Corp.) 1.00  

100.00  

**Procedure:** Combine A in order in a vessel while stirring and begin to heat. Continue to stir and heat until all ingredients are completely dispersed and uniform, at approx. 75-80°C. Once mixture is uniform, begin cooling and at 70-72°C, pour batch into a proper mold.

**Mild Moisturizing Foundation**  
*Ajinomoto North America, Inc.*  
This foundation provides mildness, soft focus, spreadability, lubricity and deep moisturizing benefits.

**A.** Water (aqua) 58.20% w/w  
B. Magnesium Aluminum Silicate 1.20  
Sodium Carboxymethyl Cellulose (proposed) 0.50  
C. Sodium Stearoyl Glutamate 3.50  
Hydrolyzed Hyaluronic Acid 0.10  
D. Caprylic/Capric Triglyceride 12.00  
Talc 7.00  
Isopropyl Lauroyl Sarcosinate 5.00  
Cetyl Alcohol 1.50  
Phyosterol Behenyl/Octydodecyl/Lauroyl Glutamate (proposed) 1.00  
Iron Oxide Red 0.30  
Iron Oxide Yellow 0.60  
Iron Oxide Black 0.10  
Titanium Dioxide 6.00  
Lauroyl Lysine 3.00  

100.00  

**Procedure:** Heat C to 78°C with mixing. Slowly add B to A. When hydrated, add C to AB. In a separate vessel, combine D and heat to 78°C. Separately micro-pulverize E using a 0.20 screen with a jump gap. Slowly add D to batch. Carefully add E to batch maintaining temperature and controlling agitation. Allow to mix at 78°C for 20 min. Cool to RT with controlled mixing.

**Plumping Lipstick**  
*Ashland Specialty Ingredients*  
This rich, moisturizing lipstick adds volume to the lips.

**A.** Ozokerite 10.50% w/w  
Tocopherol Acetate 0.20  
Retinyl Palmitate 0.10  
Polyethylene 5.00  
Octydodecyl Stearate 13.00  
Diisopropyl Adipate 2.00  
Octydodecyl Stearoyl Stearate 13.05  
Myristyl Lactate 1.00  
Hydrogenated Polyisobutene 6.00  

** Procedure:** Heat C to 78°C with mixing. Slowly add B to A. When hydrated, add C to AB. In a separate vessel, combine D and heat to 78°C. Separately micro-pulverize E using a 0.20 screen with a jump gap. Slowly add D to batch. Carefully add E to batch maintaining temperature and controlling agitation. Allow to mix at 78°C for 20 min. Cool to RT with controlled mixing.
Liquid Crystal Soufflé Foundation
(Barnet Products Corporation)

This foundation has a unique soufflé appearance with excellent spreadability and an elegant, light texture. It features a liquid crystal emulsifier that provides long wear and a water-resistant barrier.

**A. Water (aqua)**
- 41.60% w/w
- o-Cymen-5-ol (and) Butylen Glycol (Net-DTB, Barnet Products Corporation) 1.00
- Acrylates/C10-30 Alkyl Acrylate Crosspolymer (Carbolip Ultra 20) 12.00

**B. Isopentyldiol** 13.00

**C. Iron Oxides (CI 77499) (and) Isopropyl Titanium Triisostearate (and) Tricontanyl PVP 0.08
**D. Dimethicone** 7.00

**E. Sodium Hydroxide (and) Water (aqua) (NaOH, Spectrum Chemical Mfg. Corp.) 0.40

**Procedure:**
- Weigh A in a vessel and heat to 85°C, stirring until melted and uniform. Add premix B to A, maintaining temperature at 82 ± 5°C for 30 min with gentle agitation. (This will allow de-aeration if vacuum is not available). Cool to 75 ± 3°C and pour into container or components.

Bordeaux Awakening Eyeliner
(BASF Corporation)

**A. Water (aqua)**
- 45.00% w/w
- VP/Methacrylamide/Vinyl Imidazole Copolymer (Luviset Clear, BASF AG) 20.00
- Panthenol 1.00
- Glycerin (and) Glycerol Acrylate/Acrylic Acid Copolymer (and) Propylene Glycol (and) PVM/MA Copolymer (Lubrjel Oil, United-Guardian Inc.) 10.00
- Antioxidant
- Preservatives
- Xanthan Gum 1.50

**C. Water (aqua)**
- 11.25
- Carbon Black (Unipure Black LC902, Sensient Cosmetic Technologies) 0.25
- Mica (and) Titanium Dioxide (and) Iron Oxides and Carnine (Cloroxine Nu-Antique Red, BASF Corporation) 6.00
- Mica (and) Iron Oxides (and) Titanium Dioxide (Cloroxine Nu-Antique Copper 340XB, BASF Corporation) 4.00
- Calcium Sodium Borosilicate (and) Titanium Dioxide (Reflects Dimensions Sparkling Blackened Gold G250RD, BASF Corporation) 1.00

**Procedure:**
- In a suitable container, add A. Sprinkle B into A while being rapidly agitated. Premix C and add to AB.

Cream Compact Foundation
(BASF Corporation)

**A. Polyethylene (Performalene 400 Polyethylene, New Phase Technologies Inc.)** 3.40% w/w
- Microcrystalline Wax (Microcrystalline wax, Strahl & Pitsch Inc.) 2.55
- Butyrospermum Parkii (Shea) Butter 3.40
- Cocoglycerides (Myristol 331, BASF SE) 8.45
- Tridecane (and) Undecane (Cetiol Ultimate, BASF SE) 8.45
- Hydrogenated Castor Oil (Cutina HR, BASF SE) 4.20
- Dimethicone/Dimethicone/Vinyl Dimethicone Crosspolymer (KSG-16, Shin-Etsu Chemical Co. Ltd.) 4.20
- Dicaprylyl Carbonate (and) Stearalkonium Hectorite (and) Propylene Carbonate (Cosmedica Gel CC, BASF SE) 10.15

**B. Propylene Carbonate (Cetiol Senssoft, BASF SE)** 25.32
- Titanium Dioxide 12.65
- Iron Oxide Red 0.25
- Iron Oxide Black 0.08
- Iron Oxide Yellow 1.35

**C. Synthetic Fluorphlogopite (and) Lauroyl Lysine (Chione M SVA, BASF Corporation)** 8.45
- Nylon-12 2.10
- Talc 1.30
- Synthetic Fluorphlogopite (and) Titanium Dioxide (Chione HD Crisp Gold, BASF Corporation) 1.70

**D. Preservatives** 1.00
- Tocopheryl Acetate 0.00

**Procedure:**
- Heat A to 85°C ± 5°C, while medium speed mixing until uniform. Prepare B colors by dispersing in caprylate via homogenizer. While maintaining temperature, add B to A while medium speed mixing until uniform. While maintaining temperature, add C to AB while medium speed mixing until uniform. While maintaining temperature, add D to ABC.
Illusions of the Sun Lip Shine (BASF Corporation)

- **Procedure:** Combine A and homogenize until uniform. Add premixed B to A and mix until uniform.

- **Formulating C&T**

Ivory Allure Highlighter (BASF Corporation)

- **Procedure:** In a suitable vessel, add A. Sprinkle B into A while being rapidly agitated. Disperse C and add to AB. Cold process.

Jewel Reflections Glossy Lip Top Coat (BASF Corporation)

- **Procedure:** In a suitable vessel, premix A. Sprinkle B into A until a thick gel is formed. Heat AB to 70-80°C under propeller mixing. Add C to AB with continuous mixing until uniform. Premix D and add to ABC, mixing until uniform. Add D to ABC in order listed, mix until uniform, and pour into molds.

Lilac Garden Silky Eye Shadow Spread (BASF Corporation)

- **Formulating C&T**

Lunar Eclipse Lip Gloss (BASF Corporation)

- **Procedure:** Weigh A in a vessel and heat to 85 ± 3°C, stirring until melted and uniform. Add B to A, maintaining temperature at 82 ± 3°C and then add premixed C. Drop batch at 50 ± 3°C.

Lustful Infusion Loose Bronzer (BASF Corporation)

- **Procedure:** Weigh A in a vessel and heat to 85 ± 3°C, stirring until melted and uniform. Add B to A, maintaining temperature at 82 ± 3°C under constant mixing. Cool AB to 60 ± 3°C and then add premixed C. Drop batch at 50 ± 3°C.
Procedure: Thoroughly blend A in appropriate dry blending/dispersing equipment. Pre-disperse B until uniform. Spray B into A, pulverize and return to blender. Add C to AB and blend until uniform. Package into appropriate containers.

### Oscillating Nights Eyeliner
*(BASF Corporation)*

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Water (aqua)</td>
<td>57.50% w/w</td>
<td></td>
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<tr>
<td>Panthenol</td>
<td>1.00</td>
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<tr>
<td>VP/Methacrylamide/Vinyl Imidazole Copolymer (Luviset Clear, BASF AG)</td>
<td>20.00</td>
<td></td>
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<tr>
<td>Antioxidant</td>
<td>q.s.</td>
<td></td>
</tr>
<tr>
<td>Preservatives</td>
<td>q.s.</td>
<td></td>
</tr>
<tr>
<td>B. Xanthan Gum</td>
<td>1.50</td>
<td></td>
</tr>
<tr>
<td>C. Water (aqua)</td>
<td>10.00</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Titanium Dioxide (and) Iron Oxides (Flamenco Twilight Green 820CB, BASF Corporation)</td>
<td>6.00</td>
<td></td>
</tr>
<tr>
<td>Calcium Sodium Borosilicate (and) Silica (and) Titanium Dioxide (Reflecks MultiDimensions Shifting Sapphire G680D, BASF Corporation)</td>
<td>4.00</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100.00</td>
<td></td>
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</tbody>
</table>

Procedure: In a suitable container add A. Sprinkle B into A while being rapidly agitated. Premix C and add to AB.

### Plum Red Lipstick
*(BASF Corporation)*

The creamy formula glides on super smooth, thanks to high spreading emollients such as Cetiol C5. Chione M SVA improves wearability and Cloisomé Vivid Red helps keep true color intact.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Disosteareryl Malate</td>
<td>28.00% w/w</td>
<td></td>
</tr>
<tr>
<td>Cetyl/Capric Triglyceride (Myrtil 312, BASF SE)</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>Tetradecyl Pentanediynyl Hydroxyhydrocinnamate (Tinogard TT, BASF SE)</td>
<td>0.10</td>
<td></td>
</tr>
<tr>
<td>Polyglyceryl-2 Sesquicaprerate (Lameform TGI, BASF SE)</td>
<td>11.30</td>
<td></td>
</tr>
<tr>
<td>Coco-Caprylate (Cetiol C 5, BASF SE)</td>
<td>25.00</td>
<td></td>
</tr>
<tr>
<td>Octyldodecanol (Eutanol G, BASF SE)</td>
<td>6.80</td>
<td></td>
</tr>
<tr>
<td>Cetearyl Ethyhexanoate (Juvinol EHO, BASF AG)</td>
<td>6.80</td>
<td></td>
</tr>
<tr>
<td>Ozokerite</td>
<td>4.50</td>
<td></td>
</tr>
<tr>
<td>Polyethylene (Permafine 400 Polyethylene, New Phase Technologies Inc.)</td>
<td>4.50</td>
<td></td>
</tr>
<tr>
<td>Candelilla Wax (proposed) (Candelilla Wax SP 75, Strahl &amp; Pitsch Inc.)</td>
<td>2.80</td>
<td></td>
</tr>
<tr>
<td>Tocopheryl Acetate (Vitamin E Acetate, BASF Corporation)</td>
<td>1.10</td>
<td></td>
</tr>
<tr>
<td>B. Mica (and) Iron Oxides (and) Titanium Dioxide (and) Silica (Cloisonné Vivid Red, BASF Corporation)</td>
<td>3.50</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Iron Oxides (and) Titanium Dioxide (Timica Terra Black, BASF Corporation)</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>Red 7</td>
<td>0.40</td>
<td></td>
</tr>
<tr>
<td>Rhus Communis (Castor) Seed Oil</td>
<td>0.60</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Titanium Dioxide (and) Iron Oxides (Timica Terra Red, BASF Corporation)</td>
<td>1.60</td>
<td></td>
</tr>
<tr>
<td>C. Synthetic Fluorphlogopite (and) Lauroyl Lysine (Chione M SVA, BASF Corporation)</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>D. Preservatives</td>
<td>q.s.</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100.00</td>
<td></td>
</tr>
</tbody>
</table>

Procedure: Weight A in a vessel and heat to 82 ± 3 °C, stirring until melted and uniform. Add B, C and D to A, maintaining temperature at 82 ± 3 °C with gentle mixing. Pour into molds. Note*: If iron oxide or organic pigments are used, they should first be dispersed and blend until uniform. Package into appropriate dry blending/dispersing equipment. Pre-disperse B until uniform. Spray B into A, pulverize and return to blender. Add C to AB and blend until uniform. Package into appropriate containers.

### Radiant Glow Bronzer
*(BASF Corporation)*

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Mica (and) Lauroyl Lysine (Mearlmica Treated SVA, BASF Corporation)</td>
<td>21.00% w/w</td>
<td></td>
</tr>
<tr>
<td>Zinc Oxide (and) Triethoxyoxysilane (Z-Cote HP-1, BASF AG)</td>
<td>25.00</td>
<td></td>
</tr>
<tr>
<td>Polymethylsilsequioxane/HD/Trimethyl Hexylacrylate Crosspolymer (proposed) (Granpowder USQ, Grant Industries Inc)</td>
<td>10.00</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Iron Oxide Brown (and) Titanium Dioxide (Timica Terra Brown, BASF Corporation)</td>
<td>24.00</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Iron Oxide Yellow (and) Titanium Dioxide (Timica Terra Yellow, BASF Corporation)</td>
<td>11.70</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Titanium Dioxide (and) Iron Oxides (Timica Terra Red, BASF Corporation)</td>
<td>0.60</td>
<td></td>
</tr>
</tbody>
</table>

### Shimmering Radiance Face Illuminator
*(BASF Corporation)*

Delivers multidimensional luminescence to every skin tone. The formula highlights Chione HD pigments which help illuminate the skin, creating a flawless even-toned appearance.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Boron Nitride</td>
<td>22.30% w/w</td>
<td></td>
</tr>
<tr>
<td>Preservatives</td>
<td>q.s.</td>
<td></td>
</tr>
<tr>
<td>Synthetic Fluorphlogopite (and) Lauroyl Lysine (Chione M SVA, BASF Corporation)</td>
<td>15.00</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Bismuth Oxchloride (Bi-Lite 20 BL1070, BASF Corporation)</td>
<td>20.00</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Titanium Dioxide (and) Iron Oxides (Cloisomé Imperial Gold 222X, BASF Corporation)</td>
<td>5.40</td>
<td></td>
</tr>
<tr>
<td>Synthetic Fluorphlogopite (and) Titanium Dioxide (Chione HD Crisp Gold, BASF Corporation)</td>
<td>28.00</td>
<td></td>
</tr>
<tr>
<td>Synthetic Fluorphlogopite (and) Titanium Dioxide (Chione HD Pixel White, BASF Corporation)</td>
<td>7.20</td>
<td></td>
</tr>
<tr>
<td>Coco-Caprylate (Cetiol C 5, BASF SE)</td>
<td>2.00</td>
<td></td>
</tr>
<tr>
<td>Tocopheryl Acetate (Vitamin E Acetate, BASF Corporation)</td>
<td>0.10</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100.00</td>
<td></td>
</tr>
</tbody>
</table>

Procedure: Thoroughly blend A in appropriate dry blending/dispersing equipment.

### Shocking Aqua Vinyl Eyeliner
*(BASF Corporation)*

A high gloss, long wear formula that goes on effortlessly and dries quickly delivering a vibrant vinyl finish.

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Water (aqua)</td>
<td>45.90% w/w</td>
<td></td>
</tr>
<tr>
<td>Panthenol</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>VP/Methacrylamide/Vinyl Imidazole Copolymer (Luviset Clear, BASF AG)</td>
<td>20.00</td>
<td></td>
</tr>
<tr>
<td>Acrylates Copolymer (Luxiflex Soft, BASF AG)</td>
<td>10.00</td>
<td></td>
</tr>
<tr>
<td>Proline (and) Sodium Lactate (and) Sodium PCA (and) Sorbitol (Prodex 300, Ajinomoto North America, Inc.)</td>
<td>1.00</td>
<td></td>
</tr>
<tr>
<td>Xanthan Gum (Ketrol SFT, CP Kelco)</td>
<td>1.50</td>
<td></td>
</tr>
<tr>
<td>Preservatives</td>
<td>q.s to 100.00</td>
<td></td>
</tr>
<tr>
<td>B. FD&amp;C Blue No. 1</td>
<td>3.00</td>
<td></td>
</tr>
<tr>
<td>FD&amp;C Yellow No. 5</td>
<td>1.20</td>
<td></td>
</tr>
<tr>
<td>C. Water (aqua)</td>
<td>10.00</td>
<td></td>
</tr>
<tr>
<td>Synthetic Fluorphlogopite (and) Titanium Dioxide (Chione HD Crystal Mint, BASF Corporation)</td>
<td>5.40</td>
<td></td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>100.00</td>
<td></td>
</tr>
</tbody>
</table>

Procedure: Place water of A into main vessel and add xanthan gum while high speed mixing, until fully dispersed. Add the remaining ingredients of A in order, while medium speed mixing, until uniform. Add B to A, while medium speed mixing, until uniform. Predisperse C and add to AB, while medium speed mixing until uniform.

### Ultra Violet Lip Gloss
*(BASF Corporation)*

<table>
<thead>
<tr>
<th>Component</th>
<th>Weight</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Paraffinum Liquidum (Mineral Oil/Ethylene/Propylene/Styrene Copolymer/Butylene/Ethylene/Styrene Copolymer (Versagel M 750, Calumet Specialty Products Partners, L.P. / Calumet Penreco, LLC.))</td>
<td>82.50% w/w</td>
<td></td>
</tr>
<tr>
<td>B. Isostearyl Myristate (Dermol DISM, Alzo International Inc.)</td>
<td>5.00</td>
<td></td>
</tr>
<tr>
<td>Red 7 Lake</td>
<td>0.30</td>
<td></td>
</tr>
<tr>
<td>FD&amp;C Blue No. 1 Lake</td>
<td>0.05</td>
<td></td>
</tr>
<tr>
<td>C. Synthetic Fluorphlogopite (and) Lauroyl Lysine (Chione M SVA, BASF Corporation)</td>
<td>3.45</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Titanium Dioxide (and) Hydrogenated Polysisobutene (and) Palmitic Acid (and) Methylparaben (and) Butylparaben (and) Propylparaben (and) Red 7 (Cellini Red 420CR7F, BASF Corporation)</td>
<td>1.50</td>
<td></td>
</tr>
<tr>
<td>Mica (and) Titanium Dioxide (and) Blue Lake No. 1 (and) Hydrogenated Polysisobutene (and) Palmitic Acid (Cellini Blue</td>
<td>2.00</td>
<td></td>
</tr>
</tbody>
</table>

Procedure: Thoroughly blend A in appropriate dry blending/dispersing equipment. Spray B into A and tumble until uniform.
Matte Finish Fluid Foundation
(BASF SE)

This mattifying foundation provides a natural look and evens out imperfections, leaving the skin fresh.

A. Polyglyceryl-3 Distearatear 1.50% w/w
Dicaprylyl Ether 3.00
Beheneth-25 3.50
Dicaprylyl Carbonate 4.00
Cocoglycerides 4.00
Squalane 3.00
Pentaerythyl Distearate (proposed) 1.00
Shorea Stereoptera (Cesoges SH, BASF SE) 1.00
Butylparaben (and) Ethylparaben (and) Isobutylparaben (and) Methylparaben (and) Phenoxyethanol (and) Propyleneparaben (Phenonip, Clariant Int. Ltd.) 0.80
Dimethicone 3.00
B. Titanium Dioxide 6.00
Iron Oxide CI 77492 1.30
Iron Oxides 77491 0.60
Iron Oxides 77499 0.20
C. Water (aqua) 52.50
Glycerin 3.00
Butylen Glycol 2.00
D. Magnesium Aluminum Silicate (Veegum Ultra, Vanderbilt Minerals LLC) 1.00
Xanthan Gum 0.40
E. Dicaprylyl Carbonate (and) Stearalkonium Hectorite (and) Propylene Carbonate (Cosmedia Gel CC, BASF SE) 3.00
F. Polyethylene/methacrylate (proposed) 2.00
G. Cyclomethicone (and) Diphenyl Dimethicone (Mirasil CDPDM, Solvay Novecare) 3.00
H. Fragrance (parfum) 0.20

Procedure: Separately heat A and C at 75°C. Disperse D into C under high stirring. Disperse B and E into A under high stirring. When homogeneous, add ABE in CD. At 60°C, add F to batch. At 65°C, homogenize for 5 min. Cool to RT and at <40°C, add G and H to batch.

Misty Mauve Lipstick
(BASF SE)

This lipstick provides lubricity with easy application.

A. Carna Alba (Beeswax) 2.40% w/w
Ricinus Communis (Castor) Oil (proposed) 28.59
Lanolin Alcohol 8.40
Octyldodecanol 3.75
Tetradibuty Pentapentaerythyl Hydroxyhydrocinanamat (Tingard TT, BASF SE) 0.20
Copernicia Cerifera (Carnauba) Wax 1.40
Candelilla Wax (proposed) 3.30
Ozokerite Wax (proposed) 4.70
Microcrystalline Wax 1.40
Ethylhexyl Palmitate 7.50
Isoeicosane 6.50
Tridecy Trimellitate 7.50
Propylparaben 0.20
B. Titanium Dioxide 3.43
Ricinus Communis (Castor) Oil (proposed) 3.43
C. Mica (and) Titanium Dioxide (and) Cetyl Dimethicone (Calisha Contemporary Silver OD Pearl, BASF SE) 9.00
Mica (and) Iron Oxides (and) Cetyl Dimethicone (Calisha Contemporary Rose Red OD Pearl, BASF SE) 9.00
D. Fragrance (parfum) 0.20

Procedure: Heat A to 75–80°C and mix until uniform. In a separate container, combine B and mix until completely dispersed. Pass the batch through a three roll mill twice. Check the fineness of grind on a Hegman Gauge; mixture should have a reading of 7 or higher on the “H” scale. Add B to A with good mixing and maintain 75–80°C. Check the bottom of the beaker for any undispersed pigment grind and mix until completely uniform. With good mixing, add C slowly to AB and be careful not to incorporate air. Add D to batch with good mixing. Cool to 68°C and fill into chilled lipstick molds. Place the molds into the freezer for 5–10 min. After 10 min, transfer the poured stick from the mold to lipstick components. Test poured sticks for breakage and melting point 24 hrs after manufacturing.

Radiant Skin Foundation
(BASF SE)

This light foundation makes skin feel velvety smooth. Not only is it easy to apply, it also makes skin look radiant and healthy.

A. Water (aqua) 50.50% w/w
Butylene Glycol 2.00
Glycerin 3.00
B. Xanthan Gum 3.40
Magnesium Aluminum Silicate (Veegum Ultra, Vanderbilt Minerals LLC) 1.00
C. Polyglyceryl-3 Distearatear (Lameform TGI, BASF SE) 1.50
Butylparaben (and) Ethylparaben (and) Isobutylparaben (and) Methylparaben (and) Phenoxyethanol (and) Propyleneparaben (Phenonip, Clariant Int. Ltd.) 0.80
Ceteareth-20 (Emulgin B-2, BASF SE) 3.50
Pentaerythyl Distearate (proposed) (Cutina PES, BASF SE) 1.00
Shorea Stereoptera (Cesoges SH, BASF SE) 1.00
Dicaprylyl Carbonate (Cetiol CC, BASF SE) 4.00
Cocoglycerides (Myrtol 331, BASF SE) 4.00
Squalane (Fridorang, BASF SE) 3.00
Dicaprylyl Ether (Cetiol OE, BASF SE) 3.00
Propyleneparaben (Cetiol Sensoft, BASF SE) 5.00
D. Titanium Dioxide 6.00
Iron Oxides CI 77492 1.30
Iron Oxides CI 77491 0.60
Iron Oxides CI 77499 0.20
E. Dicaprylyl Carbonate (and) Stearalkonium Hectorite (and) Propylene Carbonate (Cosmedia Gel CC, BASF SE) 3.00
F. Polyethylene/methacrylate (proposed) 2.00
G. Cyclomethicone (and) Diphenyl Dimethicone (Mirasil CDPDM, Solvay Novecare) 3.00
H. Fragrance (parfum) (Perfume Caresse, Firmenich SA) 0.20

Procedure: Separately heat A and C at 75°C. Disperse D into C under high stirring. When homogeneous, add ABE in CD. At 60°C, add F to batch. At 55°C, homogenize 5 min. Cool and at <40°C, add G and H to batch.
Self-tanning Face Cream, SPF 10
(BASF SE)

This formulation is a smooth and silky, color-enhancing cream.

A. Dicaprylyl Carbonate (Cetiol CC, BASF SE) 6.00% w/w
B. Mica 83.50% w/w
C. Titanium Dioxide (and) Iron Oxides (Gemtone Tan Opal, BASF) 1.00%
D. Talc 12.00% w/w
E. PCA Dimethicone 3.00%
F. Isododecyl Stearate (and) DIMETHICONE (C12-15 Alkyl Benzoate, C12-15 Alkyl Benzene Sulfonate, C10-13 Alkyl Benzene Sulfonic Acid, C10-13 Alkyl Benzene Acid) 7.25%
G. Neopentyl Glycol Dicaprate/Dicaprylate (Liponate NPGC-2, Vantage Specialty Ingredients) 1.80%
H. Squalane 4.00%
I. Dimethicone (DC 200/100, Dow Corning Corp.) 0.70
J. Octyldodecyl Myristate (Corum 5024, Corum Inc.) 0.70
K. Isostearyl Isostearate (Corum 5088, Corum Inc.) 0.70
L. Cyclomethicone 8.00
M. Cyclomethicone 10.00
N. Cyclomethicone 10.00

Procedure: Mix A until uniform. Pass through a micropulverizer twice or until all particles are dispersed. Premix B and spray into A. Pass through a large screen micropulverizer twice or until fully dispersed.

Velvet Finishing Powder
(Bio-Botanica Inc.)

A. Mica 83.50% w/w
B. Lauryl Laurate 7.00%
C. Xanthan Gum 0.20
D. Polymethylsiloxane 2.00
E. Propylparaben 0.10
F. Methylparaben 0.20
G. Diazolidinyl Urea 0.25

Procedure: Mix A until uniform. Pass through a micropulverizer twice or until all particles are dispersed. Premix B and spray into A. Pass through a large screen micropulverizer twice or until fully dispersed.

Eye Shadow
(Brenntag Specialties Inc., US Headquarters)

A. Talc (and) Dimethicone (ST1925, Brenntag Specialties Inc., US Headquarters) 49.25% w/w
B. Titanium Dioxide (and) Iron Oxides (Flamenco Twilight Blue 620CB, BASF Corporation) 10.00
C. Mica (and) Titanium Dioxide (and) Iron Oxides (Flamenco Twilight Red 4302B, BASF Corporation) 15.00

Procedure: Mix A until uniform. Pass through a micropulverizer twice or until all particles are dispersed. Premix B and spray into A. Pass through a large screen micropulverizer twice or until fully dispersed.

Loose Powder
(Corum Inc.)

A. Talc 12.00% w/w
B. Xanthan Gum 0.70
C. Sorbitan Sesquioleate 0.20
D. Titanium Dioxide 10.00
E. Dimethicone (DC 200/100, Dow Corning Corp.) 0.70
F. Iron Oxide Yellow 2.00
G. Iron Oxide Black 0.25
H. Iron Oxide Red 0.40
I. PCA Dimethicone 3.00
J. Cyclomethicone 8.00
K. Isopropyl Isostearate 4.00
L. C12-15 Alkyl Benzate (and) Titanium Dioxide (and) Aluminum Stearate (and) Polyhydroxystearic Acid (and) Alumina (Solaveil CT-100, Croda) 10.00
M. Aluminum Starch Octenylsuccinate 1.00

Procedure: Mix together and pass through a micropulverizer until dispersed properly.

Flawless Liquid Makeup
(Croda)

This silky foundation offers even coverage coupled with SPF protection. This emulsion is smooth and light, with excellent spreading properties.

A. Water (aqua) 80% w/w
B. Glycerin 4.00
C. Squalane 3.00
D. Cyclomethicone 8.00
E. Isopropyl Isostearate 4.00
F. C12-15 Alkyl Benzoate (and) Titanium Dioxide (and) Aluminum Stearate (and) Polyhydroxystearic Acid (and) Alumina (Solaveil CT-100, Croda) 10.00
G. Aluminum Starch Octenylsuccinate 1.00

Procedure: Combine A in a blender until uniform. Separately heat B to 30-35°C. When B is melted, add C to B. Add BC to A and blend until uniform. Press into a suitable container at 180°C.
Gelled, Water-Proof Mascara
(Croda)

This lash conditioning, gelled mascara has water and smudge resistance and film formation due to the formulation’s polyamide-8.

A. Isododecane (Permethyl 99A, Presperse, Inc.) 50.30% w/w
B. Quaternium-18 Hectorite 4.50
C. Iron Oxide Black 20.00
D. Propylene Carbonate 1.30
E. Water (aqua) 28.95
F. Copernicia Cerifera (Carnauba) Wax 3.00
G. bis-Stearyl Ethylenediamine/Neopentyl Glycol/Stearyl Hydrogenated Dimer Dilinolate Copolymer (Sylvaclear C75V, Croda) 5.00
H. Sorbitan Sesquioleate 1.00
I. Methylparaben 0.10
J. Polyquaternium-10 0.20
K. Stearyl Alcohol (Prisorine 3515, Croda Europe Ltd.) 10.00
L. Pentylene Glycol 4.00
M. Polyamide-3 (Oleocraft MP-30, Croda Europe Ltd.) 10.00
N. PolyEFA, Lonza Personal Care) 5.00
O. Isopropyl Isostearate 8.00
P. PPG-3 Hydrogenated Castor Oil (Procas H3, Croda Europe Ltd.) 12.00% w/w
Q. PPG-3 Benzyl Ether Myristate 16.00
R. Isopropyl Myristate 21.00
S. Isopropyl Palmitate 16.00
T. Isononyl Isononanoate 16.00
U. Isostearyl Alcohol (Prisorine 3515, Croda Europe Ltd.) 10.00
V. Sorbitan Sesquioleate (Oleocraft LP-20, Croda Europe Ltd.) 20.00% w/w
W. PPG-3 Butyl Ether Ethylhexanoate (Crodamol SFX, Croda Europe Ltd.) 30.00
X. PPG-3 Butyl Ethyl Myristate (Crodamol STS, Croda) 10.00
Y. Isostearylesteare (Crodamol ISIS, Croda) 9.00
Z. Isostearyl Alcohol (Prisorine 3515, Croda Europe Ltd.) 10.00

Procedure: Combine A and begin to heat to 80-85°C while agitating. Mix until uniform. Cool with agitation to 75-80°C. Discharge into chilled lipstick mold. Allow to cool before demolding.

High Gloss Stick for Lips
(Croda)

The combination of ethylenediamine/hydrogenated dimer dilinolate copolymer bis-Di-C14-18 alkyl amide and polyamide-8 in this gloss stick (Ref# 0099) provides a clear glossy finish, generous payoff and a firm structure.

A. Ethylenediamine/Hydrogenated Dimer Dilinolate Copolymer bis-di-C14-18 Alkyl Amine (Syvclavear A200V, Croda) 36.50% w/w
B. bis-Stearyl Ethylenediamine/Neopentyl Glycol/Stearyl Hydrogenated Dimer Dilinolate Copolymer (Syvclavear C75V, Croda) 5.00
C. C12-15 Alkyl Benzoate 17.00
D. Disostearyl Malate 16.00
E. Oleic/oleodecanol 10.00
F. Pentylene Glycol 4.00
G. Ricinus Communis (Castor) Seed Oil 10.00
H. Isononyl Isononanoate 16.00
I. Isopropyl Palmitate 16.00
J. Isopropyl Myristate 21.00
K. Isostearyl Alcohol (Prisorine 3515, Croda Europe Ltd.) 10.00
L. Isostearyl Steareate (Crodamol ISIS, Croda) 9.00
M. Isostearyl Alcohol (Prisorine 3515, Croda Europe Ltd.) 10.00
N. Ricinus Communis (Castor) Seed Oil (Seatons Castor Oil, Seatons (Croda Group) 5.00
O. Poly(EFA, Lonza Personal Care) 5.00
P. Sorbitan Isostearate (and) Cetearyl Ethylhexanoate (and) Sucrose Cocoate (and) Portulaca Pilosa Extract (and) Palmityl Tripeptide-38 (Volutip, Sederma) 1.00

Procedure: Combine A, Heat to 85-90°C while agitating until completely homogenous. Add B and agitate until uniform. At 70°C, pour into components.

Moisture Max Flawless Foundation
(Croda)

This is a weightless o/w emulsion foundation that delivers non-occlusive moisturization and long wear.

A. Xanthan Gum 0.75% w/w
B. Magnesium Aluminum Silicate 1.00
C. Water (aqua) 28.95
D. Titanium Dioxide 10.00
E. Iron Oxides (A406 Tudor Mahogany (CI 77491 & 77718), Kingfisher Colours Ltd.) 0.40
F. Iron Oxides (A407 Tudor Willow (CI 77492), Kingfisher Colours Ltd.) 2.00
G. 2-Bromo-2-Nitropropane-1,3-Diol (and) Methylparaben (and) Phenoxethanol (and) Propylparaben (Nipaguard BPX, Clarient Int. Ltd.) 0.70
H. Iron Oxides (A401, A401.02, A401.04 Tudor Ebony (CI 77499), Kingfisher Colours Ltd.) 0.25
I. D. Water (aqua) 28.95
J. E. Potassium Cetyl Phosphate 2.50
K. F. Triethylenoxanion 12.00
L. Isopropyl Isostearate 8.00
M. Stearic Acid 2.50
N. G. 2-Bromo-2-Nitropropane-1,3-Diol (and) Methylparaben (and) Phenoxethanol (and) Propylparaben (Nipaguard BPX, Clarient Int. Ltd.) 0.70

Procedure: Combine A. Mix B in A until fully dispersed. Add C to AB and, heat to 80°C, stirring until homogeneous. Homogenize ABC for 1 min and return to moderate speed stirring. Separately combine D and blend well. Add ABC to cool to approximately 50°C and add D to ABC. Homogenize batch to properly disperse pigments. Return batch to stirring. Separately mix E and slowly add to batch. Add F to batch and return to RT.

Gelled, Water-Proof Mascara
(Croda)

This lash conditioning, gelled mascara has water and smudge resistance and film formation due to the formulation’s polyamide-8.

A. Isododecane (Permethyl 99A, Presperse, Inc.) 50.30% w/w
B. Quaternium-18 Hectorite 4.50
C. Iron Oxide Black 20.00
D. Propylene Carbonate 1.30
E. Water (aqua) 28.95
F. Copernicia Cerifera (Carnauba) Wax 3.00
G. bis-Stearyl Ethylenediamine/Neopentyl Glycol/Stearyl Hydrogenated Dimer Dilinolate Copolymer (Sylvaclear C75V, Croda) 5.00
H. Sorbitan Sesquioleate 1.00
I. Methylparaben 0.10
J. Polyquaternium-10 0.20
K. Stearyl Alcohol (Prisorine 3515, Croda Europe Ltd.) 10.00
L. Pentylene Glycol 4.00
M. Polyamide-3 (Oleocraft MP-30, Croda Europe Ltd.) 10.00
N. PolyEFA, Lonza Personal Care) 5.00
O. Isopropyl Isostearate 8.00
P. PPG-3 Hydrogenated Castor Oil (Procas H3, Croda Europe Ltd.) 12.00% w/w
Q. PPG-3 Butyl Ether Ethylhexanoate (Crodamol SFX, Croda Europe Ltd.) 30.00
R. PPG-3 Butyl Ethyl Myristate (Crodamol STS, Croda) 10.00
S. Isostearylesteare (Crodamol ISIS, Croda) 9.00
T. Isostearyl Alcohol (Prisorine 3515, Croda Europe Ltd.) 10.00
U. Ricinus Communis (Castor) Seed Oil (Seatons Castor Oil, Seatons (Croda Group) 5.00
V. Poly(EFA, Lonza Personal Care) 5.00
W. Sorbitan Isostearate (and) Cetearyl Ethylhexanoate (and) Sucrose Cocoate (and) Portulaca Pilosa Extract (and) Palmityl Tripeptide-38 (Volutip, Sederma) 1.00

Procedure: Combine A. Mix B in A until fully dispersed. Add C to AB and, heat to 80°C, stirring until homogeneous. Homogenize ABC for 1 min and return to moderate speed stirring. Separately combine D and blend well. Add ABC to cool to approximately 50°C and add D to ABC. Homogenize batch to properly disperse pigments. Return batch to stirring. Separately mix E and slowly add to batch. Add F to batch and return to RT.

Full Coverage, Anti-aging, Moisturizing Lipstick
(Croda Europe Ltd.)

This formulation primes lips for full even coverage to allow both pigments and functional ingredients to perform better.

A. PPG-3 Hydrogenated Castor Oil (Procas H3, Croda Europe Ltd.) 12.00% w/w
B. Titanium Dioxide (A310 Tudor Aspen, Kingfisher Colours Ltd.) 2.86
C. Iron Oxides (A402 Tudor Rosewood (CI 77491 & 77718), Kingfisher Colours Ltd.) 1.32
D. Iron Oxides (A407 Tudor Willow (CI 77492), Kingfisher Colours Ltd.) 0.72
E. Iron Oxides (A403 Tudor Oak (CI 77491, 77492, 77499, 77718), Kingfisher Colours Ltd.) 0.33
F. D&C Red No. 7 (Tudor Paeony (A502.03, A502.04, A502.11, A502.25), Kingfisher Colours Ltd.) 0.27
G. PPG-3 Hydrogenated Castor Oil (Procas H3, Croda Europe Ltd.) qs to 100.00
H. Copernicia Cerifera (Carnauba) Wax 1.70
I. Tocopheryl Acetate 0.50
Jojoba Wax PEG-120 Esters 3.00
Jojoba Alcohol (and) Potassium Jojobate (and) Butylene Glycol (Jojoba Hydrate, Desert Whale Jojoba Co.) 2.00
B. Iron Oxides 15.00
C. Triethanolamine 2.00
D. Phenoxyethanol (and) Chlorphenesin (and) Benzoic Acid (and) Butylene Glycol (and) Sorbic Acid (Germazide PSB, BASF AG) 1.00
Stearic Acid 5.00
Jojoba Esters 8.00
Hydrogenated Jojoba Oil 9.00
Simmondsia Chinensis (Jojoba) Seed Oil/Ethylene/Propylene/Styrene Copolymer/Butylene/ethylene/styrene Copolymer (Jojoba Glaze - LV, Desert Whale Jojoba Co.) 5.00
E. Water (aqueous) 9.00
Acrylates/Ethylhexyl Acrylate Copolymer (Daitosol 5000SJ, Kobo Products Inc.) 10.00

Procedure: Combine A and heat to 80°C. Once melted, add B and homogenize to disperse pigment. Heat D to 85°C. Once D is melted and uniform, add C to ABC. With homogenization, slowly add D to ABC. Homogenize 5 min and begin sweep mixing. At 50°C or below, add E. Continue to cool to 30–35°C and drop batch.

Golden Glow Facial Highlighter
(Dow Corning Corp.)

This anhydrous face illuminator leaves a velvety feel on the skin.

A. Tricaprylin 43.00% w/w
Stearyl Inulin 5.00
B. Dimethicone/Vinyl Dimethicone Crosspolymer/Alumina (DC-EP-9293 AL Cosmetic Powder, Dow Corning Corp.) 35.00
Mica (Cl 77891) and Silica (and) Iron Oxides 77491 (and) Tin Oxide (Colorona Precious Gold, Merck KGaA) 17.00

Procedure: Combine A and heat to 75°C. Add B to A, mixing until homogeneous. Pour into appropriate container.

Low Viscosity Fluid Foundation
(Dow Corning Corp.)

This low viscosity fluid foundation gives a matte appearance with a smooth after-feel.

A. PEG-10 Dimethicone (Dow Corning ES-5612 Formulation Aid, Dow Corning Corp.) 8.00% w/w
Dimethicone (Xiameter PMX-200 Silicone Fluid, 5 cSt, Dow Corning Corp.) 7.57
Caprylyl Methicone (Dow Corning FZ-3196, Dow Corning Corp.) 7.75
Lauryl PEG/PPG-18/18 Methicone (Dow Corning 5200 Formulation Aid, Dow Corning Corp.) 0.80
Silica Styicate (Dow Corning VM-2270 Aerogel Fine Particles, Dow Corning Corp.) 0.30

B. Water (aqueous) 51.00
Glycerin 5.00
Sodium Chloride 1.00
Phenoxyethanol (and) Ethylhexylglycerin (eluXe PE 9010, Schulte & Mayr GmbH) 1.00
Caprylyl Methicone (Dow Corning FZ-3196, Dow Corning Corp.) 5.45
Iron Oxides (and) Dimethicone (SA-C47053-10, Myoshi Kasei Inc.) 9.66
Iron Oxides Cl 77492 (and) Dimethicone (SA-C338901-10, Myoshi Kasei Inc.) 1.81
Satin Eye Shadow (Du Cerning Corp.)

This pressed powder eye shadow has a satin-like texture. It applies evenly on the skin with a creamy feel.

**A. Water (aqua)**
- **Talc** 43.70% w/w
- **Methylparaben** 0.20
- **Propyleneparaben** 0.10
- **Dimethicone/Vinyl Dimethicone Crosspolymer/Lauryl Lysine (EP-9299 LL Cosmetic Powder, Dow Corning Corp.)** 4.00

**B. Isodecyl Neopentanoate** 7.35

**C. Cyclopentasiloxane (DC 345 Fluid, Dow Corning Corp.)** 7.50

Procedure: Combine A in a suitable vessel. Begin heating to 75-80°C with good mixing. Separately combine B and C in a separate container and grind through a 3-roll mill until there are no pigment specks present. Combine C to B and mix until all the color is dispersed. When A and BC are uniform, slowly add A to BC and mix until combined. Switch to a side wiping mixer and continue mixing until the batch is in smooth, uniform and homogeneous. Mix for 15 min, and begin cooling batch with continuous mixing. Cool to 25°C.

**Eye Shadow (Du Pont Tate & Lyle Bio Products)**

Propanediol in eye shadow has stability and aesthetics, along with good humectancy and moisturization.

**A. Water (aqua)**
- **Xanthan Gum** 0.20
- **Magnesium Aluminum Silicate** 2.00
- **Disodium EDTA** 0.10
- **Triethanolamine** 0.50

**B. Isodecyl Neopentanoate** 7.35

**C. Cyclopentasiloxane (DC 345 Fluid, Dow Corning Corp.)** 7.50

Procedure: Combine A in a suitable vessel. Begin heating to 75-80°C with good mixing. Separately combine B and C in a separate container and grind through a 3-roll mill until there are no pigment specks present. Add A to B and C with mixing. Pass through Silverson mixer (15 sec/100 g).
### Liquid Eyeliner

**(DuPont Tate & Lyle Bio Products)**

Propanediol in liquid eyeliner has excellent stability and aesthetics, along with good humectancy and moisturization.

- **A.** Water (aqua) 35.00% w/w
- **B.** Bentonite (and) Xanthan Gum 5.00
- **C.** Propanediol (Zemea Propanediol, DuPont Tate & Lyle Bio Products) 10.00
- **D.** Cellulose (and) Iron Oxides CI 77492 (Cellulobeads D-10(Y-33P), Kobo Products Inc.) 3.50
- **E.** Cetearyl Wheat Straw Glycosides (and) Cetearyl Alcohol (Xyliance, Chemical Corp.) 0.40
- **F.** Preservatives qs

Procedure: Combine A until uniform. Grind B in a micropulverizer. Add B to A and mix until homogeneous. Separately, combine C and melt at 80-85°C with good mixing. Heat AB at 75-80°C. Slowly add C to AB with continuous mixing. Stir at 75°C for 15 min and cool. Combine D. At 50°C, slowly add D to the batch. Continue to cool the batch to RT.

### Liquid Makeup Foundation

**(DuPont Tate & Lyle Bio Products)**

This product has high stability and excellent skin feel aesthetics, along with good humectancy and moisturization.

- **A.** Water (aqua) 63.00% w/w
- **B.** Cellulose Gum 0.30
- **C.** Magnesium Aluminum Silicate (Veegum Ultra, Vanderbuilt Minerals LLC) 0.35
- **D.** Lecithin 0.40

Procedure: Mix A until uniform. Separately mix B. Add B to A slowly while stirring. Add C to AB and homogenize.

### Propanediol

Propanediol (Zemea Propanediol, DuPont Tate & Lyle Bio Products) 1.25

### O/W Black Mascara

**(DuPont Tate & Lyle Bio Products)**

Propanediol in mascara has good stability and excellent aesthetics, along with good humectancy and moisturization.

- **A.** Water (aqua) 49.00% w/w
- **B.** Iron Oxide Black 0.90
- **C.** Cyclopentasiloxane 4.50
- **D.** VP/Eicosene Copolymer 4.00
- **E.** Stearyl Alcohol 1.80
- **F.** Copernicia Cerifera (Carnauba) Wax 3.50
- **G.** Glyceryl Stearate 1.80
- **H.** Polybutene 3.50
- **I.** Phenoxyethanol 1.00
- **J.** Propylparaben 0.20

Procedure: Combine A until uniform. Add B to A and mix until homogeneous. Separately, melt C at 75-80°C. Heat AB to 75-80°C. Slowly add C to AB. Stir at 75°C for 15 min. Cool batch to 25°C. Note: Stearic Acid should be triple-pressed.

### O/W Black Mascara

**(DuPont Tate & Lyle Bio Products)**

Propanediol in mascara has good stability and excellent aesthetics, along with good humectancy and moisturization.

- **A.** Water (aqua) 49.00% w/w
- **B.** Xanthan Gum 0.15
- **C.** Magnesium Aluminum Silicate 0.55
- **D.** Disodium EDTA 0.05
- **E.** Triethanolamine 0.50
- **F.** Lecithin 0.20
- **G.** Propylparaben Propanediol (Zemea Propanediol, DuPont Tate & Lyle Bio Products) 10.00
- **H.** Iron Oxide Black 9.00
- **I.** C. Cyclopentasiloxane 4.50
- **J.** VP/Eicosene Copolymer 4.00
- **K.** Stearyl Alcohol 1.80
- **L.** Copernicia Cerifera (Carnauba) Wax 3.50
- **M.** Glyceryl Stearate 1.80
- **N.** Polybutene 3.50
- **O.** Phenoxyethanol 1.00
- **P.** Propylparaben 0.20

Procedure: Combine A until uniform. Add B to A and mix until homogeneous. Separately, melt C at 80-85°C. Heat AB to 75-80°C. Slowly add C to AB. Stir at 75°C for 15 min. Paddle mix the batch at 45°C. Mix and cool the batch to 35°C.

### Color Foundation

**(Evonik Industries AG)**

- **A.** Cetyl PEG/PPG-10/1 Dimethicone (Add EM 180, Evonik Industries AG) 2.50% w/w
- **B.** Caprylic/Capric Triglyceride (Tegosoft CT, Evonik Industries AG) 5.00
- **C.** Stearyl Palmitate (Tegosoft SP, Evonik Industries AG) 5.00
- **D.** Dimethicone 20.00
- **E.** Titanium Dioxide 6.40
- **F.** Iron Oxide Red 0.78
- **G.** Iron Oxide Yellow 0.85
- **H.** Iron Oxide Black 0.27
- **I.** Propylene Glycol 0.00
- **J.** Water (aqua) 56.10
- **K.** Propylene Glycol 2.00
- **L.** Sodium Chloride 0.80
- **M.** Propylene Glycol (and) Diazolidinyl Urea (and) Methylparaben (and) Propylparaben (Germaben II, Ashland Specialty Ingredients) 0.30

Procedure: Mix A until uniform. Separately mix B. Add B to A slowly while stirring. Add C to AB and homogenize.
Cream to Powder Eye Shadow  
(Evonik Industries AG)

A creamy application with a velvet finish; hot-pourable

A. Ethylhexyl Palmitate (Tegosoft OP, Evonik Industries AG) 16.00% w/w  
B. Cyclopentasiloxane 3.50  
C. Water (aqua) 100.00%  
D. Stearyl Alcohol (Lanette 18, BASF SE) 2.00  
E. Phenoxyethanol (and) Ethylhexylglycerin (euxyl PE 9010, Schulke & Mayr GmbH) 1.00

Procedure: Combine A and heat to 70°C while stirring. Add B to A and stir for 10 min. Add C to AB while homogenizing or stirring with a dissolver. Add D to batch while homogenizing or stirring with a dissolver. Homogenize (or stir with a dissolver) until complete dispersion is obtained. Homogenize or stir for another 5-10 min if necessary.

Jelly Lip Gloss  
(Evonik Industries AG)

A. Polysobutenoate (Rexopol PIB 1000, Evonik Industries AG) 60.00% w/w  
B. Preservatives qs to 100.00%  
C. Silica Sylate (Aerosil R 812, Evonik Industries AG) 5.00  
D. (Colorora Glitter Pigments, EMD Chemicals Inc.-RONA Cosmetic Business Unit) 0.10

Procedure: Combine A and heat to 70°C while stirring. Add B to A and stir for 10 min. Add C to AB while homogenizing or stirring with a dissolver. Add D to batch while homogenizing or stirring with a dissolver. Homogenize (or stir with a dissolver) until complete dispersion is obtained. Homogenize or stir for another 5-10 min if necessary.

Mattifying Makeup Foundation  
(Evonik Industries AG)

A. bis(Glyceryl)Lauryl Glyceryl Lauryl Dimethicone (and) Caprylic/Capric Triglyceride (Abi EM 120, Evonik Industries AG) 4.50% w/w  
Dimethicone 8.80  
Caprylic/Capric Triglyceride (Tegosoft CT, Evonik Industries AG) 5.00  
Titanium Dioxide (Unipure White LC087 EM, Sensitive Cosmetic Technologies) 5.00  
Iron Oxides CI 77492 0.60  
Iron Oxides 77491 0.35  
Iron Oxides 77499 0.10  
Nylon-10/10 (Tegolon ECO 10-10, Evonik Industries AG) 2.00  
B. Cyclopentasiloxane 3.50  
Distearidimonium Hectorite (Bentone 38 V, Elementis Specialties) 1.00  
Propylene Carbonate 0.50  
C. Water (aqua) 62.65  
Sodium Chloride 1.00  
Glycerin 5.00  
D. Phenoxethanol (and) Ethylhexyglycerin (euxyl PE 9010, Schulke & Mayr GmbH) qs  
Fragrance (parfum) 100.00

Procedure: Prepare B by charging silicone and adding hectorite slowly while stirring (disperser disc. Mix until uniform and add propylene carbonate. Mix until uniform. Add B to A. Mix until uniform. Add C to AB slowly while stirring and homogenize. Note: Titanium dioxide in A should be alkyl silane treated, as supplied by the manufacturer.

Volumizing Mascara  
(Evonik Industries AG)

A. Sucrose Stearate (Tegosoft PSE 141G, Evonik Industries AG) 4.00% w/w  
Candelilla Wax (proposed) 1.75  
Cera Alba (Beeswax) 9.25  
Synthetic Beeswax 5.00  
Adipic Acid/Diethyleneglycol/Glycerin Crosspolymer (Lexonez 100, INOLEX, Incorporated) 5.00  
B. Iron Oxide Black 10.00  
Silica (Aerosil 200, Evonik Industries AG) 1.50  
C. Water (aqua) 50.20  
Acrylates/Octylacrylamide Copolymer (Dermacryl 79, AkzoNobel, Personal Care) 5.00  
Butyleneglycol 3.00  
Triethanolamine 1.80  
D. Phenethyl Alcohol (Phenethyl alcohol, Creative Fragrances LTD) 0.50  
Preservatives qs to 100.00  
E. Silica 0.18

Procedure: Combine A and heat to 85-90°C to melt the waxes. Add B to A and disperse. Separately combine C using cold water. Heat while stirring to 85°C. Stir until completely dissolved. Add C to AB while stirring. Stir for 10 min. Cool to 40°C while stirring, and add D. Stir for 5 min. Cool to 30-32°C. Homogenize. Viscosity may be adjusted with E.

Creamy Matte Foundation  
(Fitz Chem Corp)

Suitable for combination skin and good for photography work. This formulation features BASF and ImerCare ingredients.

A. Water (aqua) 53.25% w/w  
Sodium Carboxymethyl Cellulose (proposed) 0.50  
Propanediol (Zemea Propanediol, DuPont Tate & Lyle Bio Products) 5.00  
B. Bentonite 3.00  
C. Kaolin (Imercare Kaolin, Imerys) 20.00  
Titanium Dioxide (Titanium Dioxide, Emerald Performance Materials) 3.70  
Iron Oxide Yellow (Iron Oxide Yellow, Sun Chemical Corp.) 0.24  
Iron Oxide Red 1.30  
Iron Oxide Black (Iron Oxide Black, Sun Chemical Corp.) 0.01  
D. Stearyl Alcohol (Lanette 18, BASF SE) 2.00  
Isionyl Isononanoate 3.00  
(Montanov L. Seppic) 3.00  
Octyldodecyl Dimer Dilinoleyl Alcohol/Succinic Acid Copolymer (Zenerbet, Zenitech) 4.00  
E. Phenoxyethanol (and) Ethylhexyglycerin (euxyl PE 9010, Schulke & Mayr GmbH) 1.00

Procedure: Charge A water into main kettle. Under homogenization, add slurred remainder of A. Homogenize until thoroughly dispersed. Continue homogenization; add B. Continue homogenization; add premilled C. Continue homogenization and heat batch to 70°C. Combine D in side kettle. Mix to uniformity while heating to 80°C. Add D to batch. Homogenize to uniformity and begin cooling. At 50°C, switch to paddle/sweep mixing. Cool to 40°C. Add E. Mix to uniformity. Fill at 30°C.

All-Day-Long Concealer  
(Roarotech)

This BB-type, under-eye concealer provides superior, natural-looking, all-day coverage. Roaresters IPU demonstrates amazing slip and spreadability to support smooth application with high coverage. The unique, dry emollient for highly pigmented products. This excellent oxidative stability of Roaresters IPU offers an even and matte appearance while firming the skin.

A. Water (aqua) qs% w/w  
B. Polysorbate 61 (Tweens 61, Crodas) 0.10  
C. Propanediol (Zemea Propanediol, DuPont Tate & Lyle Bio Products) 7.00  
PEG-8 (Carboxwax PEG 400, The Dow Chemical Company) 3.00  
Magnesium Aluminum Silicate 0.90  
Xanthan Gum 0.15  
D. Talc (Supra H, Luzenac Group) 2.40  
Iron Oxides CI 77499 (and) Hydrogenated Lechitin (Unipure Red LC 381 HLC, Sensient Cosmetic Technologies) 0.27  
Iron Oxides CI 77492 (and) Hydrogenated Lechitin (Unipure Yellow LC 182 HLC, Sensient Cosmetic Technologies) 0.89  
Iron Oxides 0.18  
Titanium Dioxide (Titanium Dioxide, Emerald Performance Materials) 8.55
Cream to Powder Foundation
(Florotech)

This unique, non-volatile, low silicone foundation applies with a creamy texture and finishes with a powder-dry feel. Floramac 10 provides the dry emollient feel and, unlike cyclopentasiloxane materials, is naturally derived and will not evaporate after application.

A. Ethyl Macadamiate (Floramac 10, Florotech) 29.33% w/w
Phenyl Trimethicone (SF1550, Momentive Performance Materials Inc.) 1.00
Isoeicosane (Permyla 102A, Presperse, Inc.) qs
Dimethicone/Vinyl Dimethicone Crosspolymer (Dow Corning 9506 Powder, Dow Corning Corp.) 1.50

B. Polyethylene (Permalene 400 Polyethylene, New Phase Technologies Inc.)
Candelilla Wax (candellila wax SP 75, Strahl & Ptisch Inc.) 2.36
Tribehenin (Syncrowax HRC, Croda Europe Ltd.) 0.50
Microcrystalline Wax (Microcrystalline wax, Strahl & Ptisch Inc.) 1.60

C. Titanium Dioxide (Titanium Dioxide, Emerald Performance Materials) 14.50
Iron Oxides CI 77492 (and) Hydrogenated Lecithin (Unipure Yellow LC 182 HLC, Sensient Cosmetic Technologies) 1.50
Iron Oxides 0.15
Iron Oxides 77491 (and) Hydrogenated Lecithin (Unipure Red LC 381 HLC, Sensient Cosmetic Technologies) 0.45

D. Ethylhexyl Methoxycinnamate (Eusolex 2292, INOLEX, Inc.)
Benzoic acid (gramperl gm-9600, Presperse, Inc.) 5.50
Glyceryl Stearate (and) PEG-100 Stearate (Lexemul 561, INOLEX, Inc.) 5.00

Procedure:

A. Ethyl Macadamiate (Floramac 10) andıl to AB at 75-80°C with moderate propeller agitation. After the Keltrol CG-T is completely hydrated, switch the agitation to homomixing (square-hole head, typical). Mix at moderate to rapid speed until uniform. Add D to ABC in the order listed with rapid homomixer agitation. Continue mixing at 75-80°C with rapid homomixer agitation until all pigments are completely ground and the color appears uniform. Combine E and heat to 75°C with moderate propeller agitation. Add this to ABCD with moderate homomixer agitation. Add B to A and keep the temperature of the mixture at 75°C and with rapid homomixing. Mix for at least 30 min to ensure uniform pigment dispersion. Add C to AB at 75°C and with rapid propeller agitation. With ABC and D each at 80°C, add D slowly to ABC with moderate propeller agitation until the mixture appears uniform. Mix F and add to Phase ABCD at 75-80°C and mix with moderate propeller agitation until the mixture reaches room temperature.

Long-Wearing Creamy Foundation
(Florotech)

This formula, containing jojoba derived ingredients, produces a long-wearing, high-coverage, BB-type cream. Florasterean FU improves the skin feel and application properties while increasing the spread. Florasterean FU also acts as a pigment-wetting agent by improving the dispersion of pigments in this formula. Florasterean K-20WJojoba imparts long-wearing and smudge-resistant qualities.

D. Ethylhexyl Methoxycinnamate (Parsol MCX, DSM Nutritional Products) 3.00
Tocopherol (Covi-OX T-50, T-70, BASF SE) 0.10
Sensient Cosmetic Technologies) 0.03

Pot Lip Gloss
(Florotech)

This luxurious, tinted lip gloss adds shine and color while protecting the lips from sun and wind with the emollience of jojoba esters.

A. Jojoba Esters (Florasterean 30, Florotech) 1.00% w/w
Candelilla Wax (propessed) (Candelilla Wax SP75, Strahl & Ptisch Inc.) 1.80
Preservatives qas
Ethylhexyl Methoxycinnamate (Parsol MCX, DSM Nutritional Products) 3.00
Petrolatum 2.50
Jojoba Esters (Florasterean 60, Florotech) 1.60
Jojoba Esters (Florasterean 70, Florotech) 5.00
Lanolin Oil qas
Polybutene (Indopol H-100, Vantage Specialty Ingredients) 16.00
Lanolin Oil (and) Propylene Carbonate (and) Propylparaben (and) Stearakanon Hectorite (Bentone Gel Loi, Elements PLC) 13.00
Tocopheryl (Covi-OX T-50, T-70, BASF SE) 0.02
Coco-Caprylate/Caprate (Cetiol LC, BASF SE) 0.01
Copernicia Cerifera (Carnauba) Wax (Carnauba Wax Yellow #1, Strahl & Ptisch Inc.) 2.00

B. D&C Red No. 7 Calcium Lake (D&C Red No. 7 calcium lake, Sensient Cosmetic Technologies) 0.50
FD&C Yellow No. 5 Aluminum Lake (FD&C Yellow No. 5 aluminum lake, Sensient Cosmetic Technologies) 1.10
Titanium Dioxide (Titanium dioxide, Sensient Cosmetic Technologies) 0.50
FD&C Blue No. 1 Aluminum Lake (FD&C Blue No. 1 aluminum lake, Sensient Cosmetic Technologies) 0.03
D&C Red No. 21 (D&C Red No. 21, Sensient Cosmetic Technologies) 0.10
E. Coco-Caprylate/Caprate

Hydrogenated Lecitin (and) C12-16 Alcohols (and) Palmitic Acid (Biophilic H, Lucas Meyer Cosmetica)

1.00

31.50


**Tone Balance Foundation (Grant Industries Inc)**

A. Water (aqua)

24.70% w/w

Magnesium Aluminum Silicate

0.60

Cellulose Gum

0.10

Butylene Glycol

7.00

Phenoxyethanol (and) Caprylyl Glycol (and) Potassium Sorbate (and) Water (aqua) (and) Hexylene Glycol (Jeecide CAP-5, Jeen International Corp.)

1.00

Water (aqua) (and) Polysorbate 20 (and) Pentapeptide-21 (and) Morus Alba Root Extract (and) Resveratrol (and) Scutellaria Lateriflora Extract (and) Hydrangea Arborescens Root Extract (and) Phenoxyethanol (and) Caprylyl Glycol (and) Potassium Sorbate (and) Hexylene Glycol (Granactive 1518, Grant Industries Inc.)

5.00

B. Water (aqua)

2.00

Isododecane (and) Distearimonium Hectorite (and) Propylene Carbonate (Bentone Gel ISD V, Elements PLC)

5.00

Lecithin (Alocile, American Lecithin Co.)

1.00

Dimethicone (and) Polyisocitrate-11 (and) Butylene Glycol (and) Water (aqua) (and) Decyl Glucoside (Granactive SW-066, Grant Industries Inc.)

10.00

Sodium Hydroxide

0.60

Coco-Caprylate/Caprate (Cetiol LC, BASF SE)

3.00

Isododecane (and) Hydrangea Arborescens Root Extract (and) Sodium Hydroxide (and) Polyglycerol-10 Behenate (and) Hydroxyethylcellulose

5.00

Ocitsolate (proposed) (Neo Heliofan Type OS, Synrise AG)

7.00

Titanium Dioxide (and) Dimethicone (and) Hexyl Laurate (and) PEG-10 Dimethicone (and) Polycyclglycerol-4 Isostearate (and) Stearic Acid (and) Alumina (UV Cut TIO2-41-DM) (Granpowder USQ, Grant Industries Inc.)

5.00

C. Mica

5.27

CI 77891

5.27

Iron Oxides CI 77492 (and) Triethoxycaprylylsilane (BYO-11S2, Kobo Products Inc.)

1.06

Iron Oxides 77491 (and) Triethoxycaprylylsilane (BRO-11S2, Kobo Products Inc.)

0.10

Iron Oxides CI 77891 (and) Triethoxycaprylylsilane (BYO-11S2, Kobo Products Inc.)

0.31

Iron Oxides 77499 (and) Triethoxycaprylylsilane (BBO-11S2, Kobo Products Inc.)

0.10

100.00

Procedure: Weigh A in a side kettle equipped with marine type propeller. Heat to 75-80°C. Weigh B in the main kettle equipped with homogenizer. Heat to 75-80°C. When at proper temperature, add B to A. Micro-pulverize D. Add to C. When both AB and CD are at proper temperature, add AB to CD. Mix for 15-20 min. Cool to RT using side sweep agitation.

**Universal Makeup Primer (Grant Industries Inc)**

A. Water (aqua)

54.25% w/w

Butylene Glycol

7.00

Carborner (Carbopol Utrez 10 Polymer, Lubrizol Advanced Materials, Inc.)

0.20

Glycerin

3.00

Decyl Glucoside

5.20

Triethanolamine (TCA 99%, Rita Corp.)

0.15

Hydroxyethylcellulose

0.20

Polymethylsiloxane/HDI/Triethyl Hexylaceta Crosspolymer (proposed) (Grampowder USQ, Grant Industries Inc)

6.00

Phenoxyethanol (and) Caprylyl Glycol (and) Potassium Sorbate (and) Water (aqua) (and) Hexylene Glycol (Jeecide CAP-5, Jeen International Corp.)

1.00

B. Isododecane/Water (aqua)/Polyisocitrate-11/Butylene Glycol/Dimethicone/Polyisocitrate-11/Acrylic Acid/Polyisocitrate-11

1.00

6.00

Procedure: Weigh A in the main kettle equipped with marine type propeller. Heat to 75-80°C. Weigh B in the main kettle equipped with homogenizer. Heat to 75-80°C. When at proper temperature, add B to A. Micro-pulverize D. Add to C. When both AB and CD are at proper temperature, add AB to CD. Mix for 15-20 min. Cool to RT using side sweep agitation.
BB Cream with SPF 30
(The HallStar Company)

This BB cream provides light coverage, sun protection and anti-aging benefits. Euro BT provides anti-irritation, anti-inflammatory, hydrating, moisturizing, skin cleansing and antioxidant effects. SolStaStay S1 and SolStaStay P1 provide photostabilization for Avobenzone for improved sun protection. In vitro analysis suggests label SPF 30 (SPF ~35, PFA (PPD) ~30), broad spectrum performance with critical wavelength 384 nm.

Procedure: Mill A to disperse the pigments using a hammer- or jet- mill. Then add B and mix in. Spray on C and agitate until the batch is uniform. Do not mill again since this is a pearlescent product. Transfer product to packaging and compress to achieve desired cake integrity.

Frost Eyeshadow For Darker Skin Tones
(The HallStar Company)

Pressed powder eyeshadows consist of a carrier (filler), colorants, texture modifiers (often called specialty fillers) and binders (to compact the product into a breakage resistant cake). This formulation base (#JHP3-70-3) is typical of many of today’s pressed powder formulations. Products designed for darker skin require less opacity and more intense color. As a result, a lower level of bismuth oxychloride and higher levels of the iron oxides and red 30 are used.

Procedure: Add A to a secondary vessel and start mixing. Slowly add B with continued mixing. Heat to 85°C. When both ABCDE and F are homogenous and at their designated temperatures, slowly add ABCDE to F with prop mixing. Homogenize for 3 min. Resume prop mixing. Start cooling. When batch is below 45°C, add premix of G with mixing. Add H with mixing. Replace any water due to evaporation. Mix batch until smooth and at desired filling temperature.

Matte Brush for Darker Skin Tones
(The HallStar Company)

Pressed powder blushes consist of a carrier (filler), colorants, texture modifiers (often called specialty fillers) and binders (to compact the product into a breakage resistant cake). This formulation base (#JHP3-70-3) is typical of many of today’s pressed powder formulations. Products designed for darker skin require less opacity and more intense color. As a result, a lower level of bismuth oxychloride and higher levels of the iron oxides and red 30 are used.

Moisturizing Lipstick
(The HallStar Company)

Butyloctyl salicylate is a light ester that, due to its polar nature, wets pigments well, providing good agreement between stick tone and write off. Efficient wetting of pearlescent pigments minimizes flotation and plate out. This formulation (#ANH8-13-3) is designed to deliver an improved appearance to skin showing the adverse effects of chronological or premature aging.

Frost Eyeshadow For Darker Skin Tones
(The HallStar Company)

Pressed powder eyeshadows consist of a carrier (filler), colorants, texture modifiers (often called specialty fillers) and binders (to compact the product into a breakage resistant cake). This formulation base is typical of many current pressed powder eyeshadow formulations. This formulation base (#ANH8-13-3) is designed to deliver an improved appearance to skin showing the adverse effects of chronological or premature aging.

Procedure: Weigh A in main kettle. Mix well with anchor blade. Add B to A and mix well. Homogenize batch at 2500 RPM for 5-10 min.

Procedure: Weigh A in main kettle. Mix well with anchor blade. Add B to A and mix well. Homogenize batch at 2500 RPM for 5-10 min.

Procedure: Weigh A in main kettle. Mix well with anchor blade. Add B to A and mix well. Homogenize batch at 2500 RPM for 5-10 min.
Tinted Broad Spectrum Sunscreen Lotion SPF~18, PFA (PPD)~11
(The HallStar Company)

This tinted sunscreen moisturizer lotion formulation delivers broad-spectrum sun protection by using undecylcyclohexane dimethicone, butyl methoxydibenzoylmethane and dimethyl capramide to photostabilize a combination of homosalate, avobenzone and octocrylene while also enhancing aesthetics. In vitro testing suggests SPF ~18 and PFA ~11 performance.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Dimethyl Capramide (Spectrasolv OMDA, The HallStar Company)</td>
<td>15.00% w/w</td>
<td>Photostabilize homosalate, avobenzone, and octocrylene.</td>
</tr>
<tr>
<td>C12-15 Alkyl Benzate (Finsolv TN, Innospec)</td>
<td>2.50</td>
<td>Photostabilize octocrylene.</td>
</tr>
<tr>
<td>Homosalate (HallBrite PSF, The HallStar Company)</td>
<td>3.00</td>
<td>Photostabilize homosalate and octocrylene.</td>
</tr>
<tr>
<td>Butylmethoxydibenzoylmethane</td>
<td>3.00</td>
<td>Photostabilize avobenzone.</td>
</tr>
<tr>
<td>C30-38 Olefin/Isopropyl Maleate/MA Copolymer</td>
<td>1.50</td>
<td>Photostabilize octocrylene.</td>
</tr>
<tr>
<td>Iron Oxide Red (and) Triethoxycaprylylsilane (AS-5131, Color Techniques Inc.)</td>
<td>0.17</td>
<td>Enhance aesthetics.</td>
</tr>
<tr>
<td>Iron Oxide Black (and) Triethoxycaprylylsilane (AS-5126, Color Techniques Inc.)</td>
<td>0.09</td>
<td>Enhance aesthetics.</td>
</tr>
<tr>
<td>C. Butyl Methoxydibenzoylmethane (Parsol 1789, DSM Nutritional Products)</td>
<td>3.00</td>
<td>Photostabilize avobenzone.</td>
</tr>
<tr>
<td>D. Steareth-21 (Brij 721, 721 Spray, Croda)</td>
<td>1.50</td>
<td>Photostabilize octocrylene.</td>
</tr>
<tr>
<td>E. Water (aqua)</td>
<td>40.96</td>
<td>Photostabilize avobenzone.</td>
</tr>
</tbody>
</table>

Procedure: Stir B into C and mill with a three-roll mill until the agglomerates are reduced to less than 10 μm. Separately, combine C (see note) and heat with mixing to 89°C. When clear, add A to C. Allow temperature to drop to 75°C, then add C, mix (under vacuum, if available) to deaerate and fill at 72–75°C. Note: In B, use Refined Candellila Wax, Carnauba Wax No. 1, Cokzerite 170 D, and Microcrystalline Wax White 214.

Tinted Broad Spectrum Sunscreen Cream SPF~60, PFA (PPD)~25
(The HallStar Company)

This tinted sunscreen moisturizer lotion formulation delivers broad-spectrum sun protection by using anhydrous castor oil and ethylhexyl methoxycinnamate to photostabilize a combination of homosalate, avobenzone and octocrylene while also enhancing aesthetics. In vitro testing suggests SPF ~60 and PFA ~25 performance.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Amount</th>
<th>Purpose</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Octocrylene (Neo Helianop 303, Symrise AG)</td>
<td>10.00% w/w</td>
<td>Photostabilize homosalate.</td>
</tr>
<tr>
<td>C12-15 Alkyl Benzate (Finsolv TN, Innospec)</td>
<td>5.00</td>
<td>Photostabilize octocrylene.</td>
</tr>
<tr>
<td>Butylmethoxydibenzoylmethane (HallBrite BHB, The HallStar Company)</td>
<td>5.00</td>
<td>Photostabilize avobenzone.</td>
</tr>
<tr>
<td>B. Iron Oxide Yellow (and) Triethoxycaprylylsilane (AS-5131, Color Techniques Inc.)</td>
<td>0.20</td>
<td>Enhance aesthetics.</td>
</tr>
<tr>
<td>C. Butyl Methoxydibenzoylmethane (Neo Helianop 357, Symrise AG)</td>
<td>3.00</td>
<td>Photostabilize avobenzone.</td>
</tr>
<tr>
<td>D. Potassium Cetyl Phosphate (and) Hydrogenated Palm Glycerides (Emulsiphos, Symrise AG)</td>
<td>3.00</td>
<td>Photostabilize octocrylene.</td>
</tr>
</tbody>
</table>

Procedure: Stir B into A. Begin mixing and add B to A. When uniform, add C to A. Stir and add D in order to batch. To the main vessel, add E, start mixing and add F. When F has dissolved, add G to E and start heating to 87°C. In a separate vessel, premix H and add to the EFG just prior to combining phases. When ABC and EFG are uniform and at the defined temperatures, add ABC to EFG with strong mixing without aeration. After 10 min, start homogenizing and cool. When the batch is at 55°C, stop homogenizing and resume sweep mixing. When the batch is at 50°C, add I. In a separate vessel, combine J and, when uniform, add to batch when the batch is at 35°C. When the batch is again uniform, add K. When uniform, add L to compensate for evaporative losses. Continue mixing until a smooth, homogeneous lotion results. Perform final quality assurance checks.
**Beautiful Lips**

**Honeywell**

This luxurious lip gloss made with hydrolyzed corn starch provides an even film on the lips and is based primarily on natural ingredients.

- **A. Water (aqua)** 45.25% w/w
- **Sorbitan Oleate** 5.00
- **Hydrolyzed Corn Starch (Asensia NFF 11, Honeywell)** 13.60
- **B. Calcium Aluminum Borosilicate (and) Silica (and) Titanium Dioxide (and) Tin Oxide (Ronstar Blue Sparkles, EMD Chemicals Inc.- RONA Cosmetic Business Unit)** 9.00
- **Preservatives q.s**
- **Ultramarines** 27.15
- **100.00**

Procedure: Mix A and heat to 75°C. Once uniform, add B to A and mix until homogeneous. Note: Ultramarines in B is formulated with 35% w/w ultramarine blue, 34% water and 1% polysorbate-20.

**Highlighting Eyeliner**

**Honeywell**

MagiCC is a snow-white cream that release its beige color upon application, when its magic transforming beads are released on the skin. Its light texture and good pigment regenerates and protects. MagiCC is part of the "active makeup" concept, an innovative universal makeup line integrating Induchem’s expertise in active ingredients to meet the growing trend of active makeup.

- **A. Water (aqua)** 57.70% w/w
- **Glycerin** 1.40
- **Propanediol (Zerena Propanediol, DuPont Tate & Lyle Bio Products)** 3.00
- **Disodium EDTA** 0.05
- **Water (aqua) (and) Pentylene Glycol (and) Tamarindus Indica Seed Extract (Unitamuron H-22, Induchem AG)** 1.00
- **B. Acrylates/C10-30 Alkyl Acrylate Crosspolymer (Carboprotect 20 Polymer, Lubrizol Advanced Materials, Inc.)** 0.15
- **C. Polyglyceryl-3 Rice Branate (Prolix RB, Sinerga SpA)** 5.00
- **Cyclpentasiloxane/Dimethicone Crosspolymer (DC 9045 Silicone Elastomer Blend, Dow Corning Corp.)** 4.00
- **Butyrospermum Parkii (Shea) Butter (Cetiol SB 45, BASF SE)** 1.00
- **Dicaprylyl Ether (Cetiol CE, BASF SE)** 6.00
- **Dibutyl Adipate (Cetiol B, BASF SE)** 2.00
- **Cetylstearyl Stearate (Cetiol SN, BASF SE)** 1.50
- **Caprylic/Capric Triglyceride** 1.50
- **PVP/Hexadecene Copolymer/Octyldodecanol (Unimer U-1946, Unimer U-1946, Induchem AG)** 1.00
- **tocopherol Acetate (Vitamin E Acetate, BASF Corporation)** 0.50
- **Cyclpentasiloxane (and) Cyclohexasiloxane (Xiameter PMX-0345 Cyclomix E, Dow Corning Corp.)** 2.00
- **D. Water (aqua)** 0.16
- **Sodium Hydrosolate** 0.02
- **E. Aluminum Starch Octenylsucinate (Dry-Flo PC, AkzoNobel, Personal Care)** 1.00
- **F. Phenoxethanol (and) Benzoic Acid (and) Dehydroacetic Acid (Unigard OA-94, Induchem AG)** 1.00

**Tinted Broad Spectrum Sunscreen Cream SPF ~80, PPD ~28**

**The HallStar Company**

This tinted sunscreen moisturizer uses a single-step-iodine-photostabilizer to photostabilize avobenzene and octinoxate in combination with octocrylene and oxybenzone to help deliver broad-spectrum sun protection. In vitro testing suggests SPF ~80 and PPD ~28 performance.

- **A. Water (aqua)** 43.46% w/w
- **Disodium EDTA (Versene NA, The Dow Chemical Company)** 0.05
- **B. Xanthan Gum** 0.05
- **C. Glycerin** 3.00
- **D. Caprylic/Capric Triglyceride (HallStar GC, The HallStar Company)** 0.50
- **E. Iron Oxide Yellow (and) Triethoxycaprylylsilane (AS-5131, Color Techniques Inc.)** 43.46% w/w
- **F. Potassium Cetyl Phosphate (and) Hydrogenated Palm Glycerides Polypropylster (Gransil DMG-1, Grant Industries Inc.)** 0.09
- **G. Cyclopentasiloxane** 2.50
- **H. Styrene/Acrylates Copolymer** 4.00
- **I. Phenoxyethanol (and) Methylparaben (and) Propylparaben (and) Isobutylparaben (CoSept PEP, The HallStar Company)** 4.50
- **J. Silica (MSS-500W, Kobo Products Inc.)** 4.00
- **K. Silica (MSS-500W, Kobo Products Inc.)** 2.00
- **L. Water (aqua) q.s** 100.00

**Procedure:** To a secondary vessel add A and start mixing. Add B to A. When uniform, add C to AB and heat to 85°C. Add D, in order to ABC. When ABCD is homogeneous, add E and mix until dissolved. Add F to the main vessel. Dissolve G in F with continued mixing, then add H, stirring until incorporated. Heat to 80°C and add premix of I (make sure glyc- erin used is 98.5% minimum purity). With ABCDE at 85°C and FGHI at 80°C, slowly add ABCDE to FGHI with prop mixing. Start homogenizing and cooling batch. When batch reaches 55°C, start sweep mixing with continued cooling. At 50°C or lower, add premix of J. When again smooth, add K. Replace any water lost to evaporation with L. Mix until smooth and at desired filling temperature. Stop cooling and mixing. Perform final quality assurance checks and package product. This medium beige cream has a pH of 6.1.

**Magic’ CC Cream (Chinese version)**

**Induchem AG**

MagiCC is a snow-white cream that release its beige color upon application, when its magic transforming beads are released on the skin. Its light texture and good pigment distribution provide a matte, even, radiant complexion. The cream hydrates, unifies, regenerates and protects. MagiCC is part of the "active makeup" concept, an innovative universal makeup line integrating Induchem’s expertise in active ingredients to meet the growing trend of active makeup.

- **A. Water (aqua)** 57.70% w/w
- **Glycerin** 1.40
- **Propanediol (Zerena Propanediol, DuPont Tate & Lyle Bio Products)** 3.00
- **Disodium EDTA** 0.05
- **Water (aqua) (and) Pentylene Glycol (and) Tamarindus Indica Seed Extract (Unitamuron H-22, Induchem AG)** 1.00
- **B. Acrylates/C10-30 Alkyl Acrylate Crosspolymer (Carboprotect 20 Polymer, Lubrizol Advanced Materials, Inc.)** 0.15
- **C. Polyglyceryl-3 Rice Branate (Prolix RB, Sinerga SpA)** 5.00
- **Cyclpentasiloxane/Dimethicone Crosspolymer (DC 9045 Silicone Elastomer Blend, Dow Corning Corp.)** 4.00
- **Butyrospermum Parkii (Shea) Butter (Cetiol SB 45, BASF SE)** 1.00
- **Dicaprylyl Ether (Cetiol CE, BASF SE)** 6.00
- **Dibutyl Adipate (Cetiol B, BASF SE)** 2.00
- **Cetylstearyl Stearate (Cetiol SN, BASF SE)** 1.50
- **Caprylic/Capric Triglyceride** 1.50
- **PVP/Hexadecene Copolymer/Octyldodecanol (Unimer U-1946, Unimer U-1946, Induchem AG)** 1.00
- **tocopherol Acetate (Vitamin E Acetate, BASF Corporation)** 0.50
- **Cyclpentasiloxane (and) Cyclohexasiloxane (Xiameter PMX-0345 Cyclomix E, Dow Corning Corp.)** 2.00
- **D. Water (aqua)** 0.16
- **Sodium Hydrosolate** 0.02
- **E. Aluminum Starch Octenylsucinate (Dry-Flo PC, AkzoNobel, Personal Care)** 1.00
- **F. Phenoxethanol (and) Benzoic Acid (and) Dehydroacetic Acid (Unigard OA-94, Induchem AG)** 1.00

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C. Silica 8.00  
(Lexfeel N350, INOLEX, Incorporated) 7.00  

A. Polyester-4 qs% w/w  
index gloss and is transfer-resistant. It has an odorless, colorless and tasteless base. 

Procedure: Make the gel and heat AB to 70°C. Heat C to 70°C. Add C to phase AB. Cool and adjust pH with D to 5.7. Add E. Add F. Adjust G. Add H. Add I. Add J. 

Active, Moisturizing Foundation  
(INOLEX, Incorporated) 

This light, moisturizing foundation provides long-lasting coverage for active lifestyles. It has true color development, pigment wetting and spreadability of an ester while maintaining the light aesthetics associated with cyclomethicone. 

A. Neopentyl Glycol Diheptanoate (and) Isosodocane (LexFeel D5, INOLEX, Incorporated) 3.19% w/w  
B. Dextrin Palmitate 2.10  
C. Neopentyl Glycol Diheptanoate (and) Isosodocane (LexFeel D5, INOLEX, Incorporated) 28.71  
D. Water (aqua) 56.00  
E. Sodium Chloride 1.00  
F. Propylparaben (and) Methylparaben (and) Diazolidinyl Urea (and) Fumaria Officinalis Leaf Extract (and) Yeast Extract (Unisurrection S-61, Induchem AG) 0.50  
G. Panthenyl Triacetate (and) Ethyl Linoleate (and) Oleyl Alcohol (and) Polyglyceryl-10 Decaoleate (Polyaldo DGDO, Lipoid GmbH) 1.00  
H. Galactoarabinan (Laracare A200, Lonza Personal Care) 1.00  
I. Xanthan Gum 0.20  
J. Glycerin 2.00  

Procedure: Combine A. Mix until uniform. With reduced mixing speed, cool the system to 50°C. Add E and F to batch. Mix until uniform and fill into containers. 

Eye Shadow Primer  
(INOLEX, Incorporated) 

This sheer eye shadow primer glides on easily and disappears instantly to create longer-lasting, crease-proof eye shadow. This is a cold-process, silicone-free formulation. 

A. Isosodocane (and) Neopentyl Glycol Diheptanoate (LexFeel D5, INOLEX, Incorporated) 69.00% w/w  
B. Quaternium-18 Bentonite (Bentone 34, Elements PLC) 7.00  
C. Water (aqua) 0.20  
D. Alcohol Denat. 3.30  
E. Capryloyl/Glycerin/Sebacic Acid Copolymer/Diheptyl Succinate (Lexfeel N350, INOLEX, Incorporated) 7.00  
F. Trimehtylpentanediol/Adipic Acid/Glycerin Crosspolymer (Lexorez 200, INOLEX, Incorporated) 2.00  
G. Caprylylbhydroxamic Acid (and) Caprylyl Glycerol (and) Propanediol (Spectrastat OL, INOLEX, Incorporated) 1.50  
H. C. Silicona 8.00  
I. Titanium Dioxide 1.00  
J. Sericite 1.00  

Procedure: Combine A and mix with propeller until uniform. Add B and mix until uniform. Slowly add C to batch. 

Moisturizing Lip Gloss  
(INOLEX, Incorporated) 

This gel-based formula provides long-lasting moisture and color. It has a high refractive index gloss and is transfer-resistant. It has an odorless, colorless and tasteless base. 

A. Polyester-4 qs% w/w  
B. Polyamide Resin (proposed) (Sylvecares PA1200V, Croda) 5.00  
C. Lactobacillus/Ulkenia Amoeboidea Ferment Extract Filtrate (ProSynergen DF, Lonza Personal Care) 5.00  
D. Mica (and) Iron Oxides (and) Titanium Dioxide (Colorona Aborigine Amber, EMD Chemicals Inc.-RONA Cosmetic Business Unit) 4.00  
E. Mica (and) Iron Oxides (and) Titanium Dioxide (Colorona Tibetan Ochre, EMD Chemicals Inc.-RONA Cosmetic Business Unit) 4.00  

Basic Black Mascara  
(The International Group) 

Candellila wax is used in this mascara formulation to give a high viscosity formulation which adds volume and length to lashes. 

A. Stearic Acid 5.00% w/w  
B. Water (aqua) 56.30  
C. Glycerin 2.00  
D. Triethanolamine 1.00  
E. Acacia Senegal Gum 2.00  
F. Xanthan Gum 0.20  
G. Iron Oxides 10.00  
H. E. Cyclomethicone 0.25  
I. Dimethicone 0.25  
J. Propylparaben (and) Methylparaben (and) Diazolidinyl Urea (and) Propanediol (Ungiem G-2, Induchem AG) 1.00  

Procedure: Warm A to 70°C. Separately combine B. Add C to B with agitation until uniform and warm to 70°C. Add D to BC and mix until uniform. Add A to BCD and mix until uniform. With reduced mixing speed, cool the system to 50°C. Add E and F to batch. Mix until uniform and fill into containers. 

Flawless CC Cream ST-96  
(Lonza Personal Care) 

This lightweight CC cream is the perfect step towards impeccable skin. ProSynergen DF restores barrier function so skin hydration is optimized all day long. ReGeniStem Red Rice refines skin’s texture and reactivates its youthfulness while Vivillume enhances skin luminosity. LaraCare A200 provides a dose of long-lasting moisture. Poly-aldo DGDO KPG (NON GMO) 10-10-0 promotes moisturization. Product aesthetics are provided by the Gel Bases. SiSip Powder adds an elegant, silky smooth feel. Meroxil COS ensures product integrity. One simple step for glowing skin. 

A. Cyclomethicone (and) Dimethicone (Gel Base SIL, Lonza Personal Care) 12.00%w/w  
B. Dicapryl Carbonate 1.50  
C. Zinc Oxide and Tretinloylcaprylylsilane (Z-Cote HP-1, BASF AG) 7.00  
D. Polymethylsilicones (Tospearl 120A, 130A or 145A, GE Co.) 2.00  
E. Iron Oxides 77499 (Unispheres WNRM-665VSB, Induchem AG) 7.00  
F. Propylparaben (and) Methylparaben (and) Diazolidinyl Urea (and) Propylene Glycol (Ungierm G-2, Induchem AG) 100.00  

Procedure: Add A and mix with agitation until uniform and warm to 70°C. Add B to AB with agitation until uniform. Add C to AB with agitation until uniform. With reduced mixing speed, cool the system to 50°C. Add D to AB with agitation until uniform. Add E and F to batch. Mix until uniform and fill into containers.

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**Glow Foundation**

.mit (MMP, Inc.)

This moisturizing foundation evens out the skin tone while allowing the skin’s natural glow to shine through.

### A. Water (aqua)

66.85% w/w

### B. Cetyl PEG/PPG-10/1 Dimethicone

1.00

### C. Water (aqua)

0.50

### D. Titanium Dioxide (and) Water (aqua)

2.20

### E. Glyceryl Isostearate

3.00

### F. Calcium Aluminum Borosilicate (and) Silica (and) Titanium Dioxide

0.15

### G. Mica (PresPearl Ultra Red Brown, Presperse, Inc.)

100.00

- **Procedure:** Combine A in order. Add pre-dispersed B to main vessel. Heat to 68°C while medium prop mixing. Add C to A with homogenizing. Homogenize. When uniform, sweep mix and cool. Add D to C to batch. When temperature reaches 45°C, add E to D.

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**Mineral Blush Powder**

(Presperse, Inc.)

This talc-free, mineral blush powder contains natural Arctic oils and extracts and provides a flush of color with a healthy natural glow.

### A. Mica

55.00% w/w

B. Benzenth Oxochloride

25.00

C. Magnesium Aluminum Silicate

1.00

D. Iron Oxides 77492 (and) Water (aqua)

0.70

E. Titanium Dioxide (and) Silica (and) Sodium Citrate (and) Glycerin (and) Sodium Benzoate

0.06

F. Butylene Glycol

3.00

G. Calcium (water)

0.50

H. Maltodextrin (and) Syringa Vulgaris (Lilac) Extract (Sederma)

0.50

- **Procedure:** Combine in order. Mix A and prop mixing. Draw down powder phase and check for streaking. If needed, re-pulverize until evenly dispersed. Add C to AB and hand mix well, until evenly dispersed (do not pulverize).

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**Bright Pearl BB Cream**

(Sederma)

Bright Pearl BB Cream with Sebuless and Wonderlight (SED1210045L)

### A. Water (aqua)

qs to 100.00% w/w

B. Sodium Benzoate

qs

C. Potassium Sorbate

qs

D. Magnesium Aluminum Silicate

1.00

E. Xanthan Gum

0.70

F. Microcrystalline Cellulose (and) Xanthan Gum (and) Sodium Citrate (and) Glycerin (and) Sodium Chloride

0.06

G. Polyglyceryl-4 Caprate (and) Glycerin (and) Stearic Acid (and) Alumina (and) Glycerin (and) Cyclodextrin (and) Phenoxyethanol (and) Caprylyl Glycol (and) Chlorphenesin

0.10

- **Procedure:** Combine A in order. Draw down powder phase and check for streaking. If needed, re-pulverize until evenly dispersed. Add C to AB and hand mix well, until evenly dispersed (do not pulverize).
Formulating | C&T

Procedure: Weigh and mix A. Weigh and mix B. Add B to A and homogenize well with Staro (s=6000 rpm) for 1 hour. The magnesium aluminum silicate must be activated with very strong stirring. Weigh C and D separately. Weigh and mix E. Homogenize well. Add D to Part AB with Staro stirring (s=1500 rpm). Combine D with ABC and check that colorants are completely dispersed. Add E to the previous part with Staro stirring (s=1500 rpm). Add F. Adjust pH to around 5.50 (+/- 0.50) with G. Final appearance should be an opaque, pinkish-beige cream.

Liquid Binder-free Compact Powder (Sensient Cosmetic Technologies)

This powder has a soft and pleasant texture with pick-up. It is a drop-resistant compact powder and a fair mixture of powders without the addition of liquid binder or magnesium stearate.

A. Sodium Stearyl Fumarate 5.00% w/w
B. Water (aqua) qs to 100.00
C. Titanium Dioxide 2.50
D. Preservatives 0.30
E. Xylityl Polyglucoside (and) Anhydroxylitol (and) Xylitol (Aquaxyl, Sensient Cosmetic Technologies) 0.20

Procedure: In a vessel, combine A and heat to 70°C. In the main tank, combine B and heat to 70°C. Add C in order to B while stirring. Add D to BC and stir until the gel is smooth. Add A to B and mix well. Start cooling and at 35°C, add E, mixing until homogeneous.

Hydrating and Plumping Honey Gloss (Seppic)

In this formula, a glossy effect is achieved that allows the emulsification/stabilization of a high load of oils.

A. Water (aqua) qs to 100.00% w/w
B. (Sepnov EMT 10, Seppic) 2.00
C. Caprylyl/Capryl Glucoside 0.50
D. Methyl Methacrylate Crosspolymer 0.10
E. Dipalmitol Hydroxyproline 1.00
F. Dipentaerythritol Pentaisoonanoate 30.00
G. Flavor 0.10
H. Tocopherol 0.10

Procedure: Add A to main tank. Add B to A. Mix until the gel is smooth and add C to AB. Stir well, then add D to ABC. Add enough F to melt E at 80°C. Once the mixture is homogeneous, add it and the rest of F to the main batch. Mix well and add G to batch.

Creamy Metallic Eye Shadow (Sittech LLC)

This pearl eye shadow has a silky, light touch featuring a binder that reduces the amount of formula needed while still providing homogeneous dispersion and compacting.

A. Silica 2.00% w/w
B. Magnesium Stearate 2.70
C. Zea Mays (Corn) Starch 4.10
D. Talc 53.70
E. Mica 7.50
F. CI 77891 7.50
G. Lauryl PEG-8 Dimethicone (proposed) (Silbe J208-212, Sittech LLC) 7.50

Procedure: In appropriate equipment, mill A until complete a dispersion is formed and micronization of the powders is achieved. Separately combine B and mix well. Add A to B while milling. Add C by dispersing and mixing it homogeneously into the powder. Press.

Fluid Foundation (Sittech LLC)

This fluid foundation is easily applied and dries quickly to a matte finish. It equalizes the skin color to help minimize imperfections.

A. Water (aqua) 50.19% w/w
B. Glycerin 4.00
C. Trehalose 0.20
D. Tetrasodium Glutamate Diacetate 0.30
E. Xanthan Gum 0.30
F. Ammonium Acryloyldimethyltaurate/VP Copolymer 0.30
G. Oxydodecanol 8.00
H. Cetyl Dimethicones 3.00
I. Triclosan 0.20

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Phenoxyethanol 0.80
Butyrophenum Parkii (Shea) Butter 4.00
Linum usitatissimum (Linseed) Seed Oil 2.00
Lauryl PEG-8 Dimethicone (proposed) (Slubee J208-21, Siltech LLC) 8.00
Pentaethythyl Tetra-d-t-butyl Hydroxyhydrocinnaminate 0.05
E. Titanium Dioxide 10.00
F. Water (aqua) 3.00
Diazodiyl Urea 0.20
Glycerin Palmitoyl Tripeptide-5 (proposed) 0.30
G. Water (aqua) 2.00
Lactic Acid 0.20
Sodium Hydroxide 0.06
H. Fragrance (parfum) 0.30

Procedure: Prepare A in the main mixer under vacuum. Once homogeneous, add B to A and heat to 40°C. After complete swelling, add C. Mix and homogenize until swelling is complete. Heat to 70–75°C. In a side mixer, melt D at 70–75°C. Add E to D and homogenize until complete dispersion. Add DE to ABC. Homogenize for 10 min under vacuum. Cool to 40°C while mixing, then add F, G and H to batch. Cool to RT under vacuum.

**Illuminating Contour Powder Medium Shade (Sun Chemical Corp.)**

Multi-function, multitasking makeup ties into the popular contouring trend with this illuminating Contour Powder. These bronze powders are simple to make and can be used to add an overall glow or sculpt and enhance facial features. The combination about synthetic mica and cosmetic powders easily blends on skin with a soft, velvety feel and diminishes the look of imperfections.

A. Synthetic Fluorphlogopite (C86-3222 SymMICA Super, Sun Chemical Corp.) 52.60% w/w
Tritylhydroxysterin 20.00
Polymermately 5.00
Nylon-12 (Tegolon 12-10, Evonik Industries AG) 2.00
Propylparaben 0.20
Methylparaben 0.10
B. Synthetic Fluorphlogopite (and) Titanium Dioxide (and) Iron Oxides 77491 (C84-4001 SunSHINE Soft Golden, Sun Chemical Corp.) 9.00
SynShine Soft Bronzene, Sun Chemical Corp. 4.50
SynShine Soft Bronze, Sun Chemical Corp. 3.60
SynShine Soft Copper, Sun Chemical Corp. 3.00

Procedure: Dry blend A until homogeneous and ensure preservative is evenly distributed. Combine B and mix with A until homogeneous.

**Liquid Eye Liner (Sun Chemical Corp.)**

A. Water (aqua) 71.95% w/w
B. Magnesium Aluminum Silicate 0.40
Cellulose Gum 0.40
Xanthan Gum 0.50
C. Lecithin 0.20
Triethanolamine 1.00
Methylparaben 0.35
Diglycol/CHDM/isophthalates/SIP Copolymer/Glycerin (Lipo PE Base G-55, Vantage Specialty Ingredients) 8.00
Iron Oxides (G7 77490) (SunCroma C43-5000 Black Iron Oxide, Sun Chemical Corp.) 5.00
INCI: Not Provided (SunPrima Platinum Silver (C90-7201), Sun Chemical Corp.) 5.00

D. Copernicia Cerifera (Carnauba) Wax (Carnauba (Copernicia cerifera) wax, Strahl & Pitsch Inc.) 1.00
Stearic Acid 3.00
Hydrogenated Polyisobutenes 2.10
Propylparaben 0.10
Sorbital Sesquiolate 1.00

Procedure: Heat A to 60–65°C. Add B to A and pass through the colloid mill. Transfer batch to main kettle and heat to 75–80°C while stirring with a mixer. Separately heat D to 80–85°C. Slowly pour D into batch. Mix and cool to RT.

**Pressed Eye Shadow (Sun Chemical Corp.)**

A. Talc 39.20% w/w
Zinc Stearate 5.00
Sericite 10.00
Polyethylene B-12 (proposed) 3.00
Ultramarines 1.50
Iron Oxide Black 2.50
G. Water (aqua) (SunCroma C43-001 Manganese Violet, Sun Chemical Corp.) 4.80
Titanium Dioxide (C47-060 Titanium Dioxide, Sun Chemical Corp.) 1.00
B. Mica (and) Titanium Dioxide (SunPrisma Sapphire Night (C90-7251), Sun Chemical Corp.) 25.00
C. Mineral Oil 6.00
Dimethicone 2.00

Procedure: Mix A as dry blend and disperse through a hammer mill with a screen opening of 0.20. Blend A and B in a mixer. Mix at medium speed for 30 min. Scrape sides and mix at medium speed for an additional 30 min. Spray C into AB and mix at medium speed for 30 min. May be sifted, if desired, prior to pressing.

**Lip Dust (Symrise AG)**

This powder transforms itself into an unexpected and luxurious lip gloss.

A. Mica 5.50% w/w
Titanium Dioxide (and) C9-15 Fluoroalkanol Phosphate (PW Covaflour, Sensient Cosmetic Technologies) 16.40
Iron Oxides (and) C9-15 Fluoroalkanol Phosphate (PFX 5 Red N-6, Sensient Cosmetic Technologies) 1.00
Iron Oxides (and) C9-15 Fluoroalkanol Phosphate (PF5 Red 516, Sensient Cosmetic Technologies) 1.00
Mica (and) Titanium Dioxide (and) C9-15 Fluoroalkanol Phosphate (PF5 Colorona Glitter Bordeaux, Sensient Cosmetic Technologies) 6.00
Mica (and) Titanium Dioxide (and) C9-15 Fluoroalkanol Phosphate (PF5 Timiron Super Gold, Sensient Cosmetic Technologies) 3.00
Mica (and) Titanium Dioxide (and) C9-15 Fluoroalkanol Phosphate (PF5 Flamenco Red, Sensient Cosmetic Technologies) 3.00
B. Sucrose Polyosyate 8.80
Water (aqua) (and) Butyloxy Alcohol (and) Sophora Japonica Flower Extract (Actipone Sophora Flower (Huai Huai), Symrise AG) 0.10
Hexyloxyacetoin (and) Bisabolol (and) Cetyl Hydroxypropyl Palmitate (proposed) (and) Stearic Acid (and) Brassica Campestris (Rapseed) Sterols (SymMolyx, Symrise AG) 0.03
Bisabolol (and) Zinc Oxide (Ginger) Root Extract (SymRelief, Symrise AG) 0.03
Flavor 0.30
Trehalose 0.20
Pentylene Glycol (and) Butyloxy Alcohol (SymCalmin, Symrise AG) 0.10
Camomile 0.03
Isopropyl Isononanoate (and) Polybutene (and) Pentaerythritol Tetraostearyl Alcohol (proposed) (Covaclear, Sensient Cosmetic Technologies) 53.80
1,2 Hexanediol (and) Caprylic Alcohol (SymDoli 68, Symrise AG) 0.50
Trideceth-9 (and) PEG-5 Isononanoate (and) Water (aqua) (SymMollent W/S, Symrise AG) 0.10
Water (aqua) (and) Butyloxy Alcohol (and) Angelica Polymorpha Sinensis Root Extract (Actipone Angelica Root (Dang Gu), Symrise AG) 0.10

Procedure: Mix A in a mixer. Separately mix B. Add B to A at low stirring for 2 min in order to obtain a fine powder. The liquid phase needs to be absorbed.

**Cream to Powder Makeup (Vantage Specialty Ingredients)**

This hot-pour facial makeup imparts a soft powdery-like texture to skin. In this anhydrous base, a combination of nylon-12 and sodium hyaluronate provides the added benefit of hyaluronic acid for long-term moisturization.
**Tinted BB Cream**

*(Vantage Specialty Ingredients)*

This lightly tinted cream provides even skin tone and UV protection. Jojoba Buttercreme nourishes the skin and provides the combined benefits of Shea and Jojoba butters. BioPolymer BHA-10 provides substantive moisturization.

| A. Water (aqua) | 66.27% w/w |
| Tetrasodium EDTA | 0.10 |
| Glyceryl-26 (Liponic EG-1, Vantage Specialty Ingredients) | 3.00 |
| (UltraThix P-100, Ashland Specialty Ingredients) | 0.40 |
| Preservatives qs |  |
| B. Mica (and) Boron Nitride (Lipomic 601BN and BN Spec, Vantage Specialty Ingredients) | 3.00 |
| Titanium Dioxide (and) Isopropyl Titanium Trisostearate (BTD-401, Kobo Products Inc.) | 5.75 |
| Iron Oxides (and) Isopropyl Titanium Trisostearate (BYO-12, Kobo Products Inc.) | 0.75 |
| Iron Oxide Red (and) Isopropyl Titanium Trisostearate (BRO-12, Kobo Products Inc.) | 0.15 |
| Iron Oxide Black (and) Isopropyl Titanium Trisostearate (BBO-12, Kobo Products Inc.) | 0.08 |
| C. Cetearyl Alcohol (and) Glycerin Stearate (and) PEG-40 Stearate (and) Ceteareth-20 (Lipomulse Luxe, Vantage Specialty Ingredients) | 5.00 |
| Jojoba Alcohol (and) Potassium Jojobate (and) Propanediol (and) Butyrospermum Parkii (Shea) Butter (and) Simmondsia Chinensis (Jojoba) Butter (Jojoba Buttercreme, Desert Whale Jojoba Co.) | 4.00 |
| Ethylhexyl Methoxycinnamate (Parol MCK, DSM Nutritional Products) | 7.50 |
| Isostearic Acid (Lipionate ISA, Vantage Specialty Ingredients) | 1.50 |
| Vitamin E Acetate | 0.50 |
| Polyquaternium-10 (and) Hyaluronic Acid (Biopolymer BHA-10, Vantage Specialty Ingredients) | 2.00 |

Total: 100.00%

Procedure: In the main kettle, disperse A with rapid mixing for 15 minutes or until free of lumps, then heat to 70°C to 75°C. Grind/blend B until uniform, then add to A with rapid mixing. In a separate vessel, heat C to 75-80°C and mix well. Slowly add C to AB with medium mixing until a smooth emulsion is formed. Start to cool. Continue mixing on medium speed, scraping sides often. Add D when temperature is at or below 35°C, continue mixing and cooling to 25°C.

**Water-resistant Mascara**

*(Vantage Specialty Ingredients)*

This water-resistant mascara uses an occlusive agent.

| A. Water (aqua) | 47.24% w/w |
| Magnesium Aluminum Silicate | 0.20 |
| Xanthan Gum | 0.20 |
| Methylparaben | 0.25 |
| Trisodium EDTA | 0.01 |
| B. Diglycol/CHDM/isophthalates/SIP Copolymer/Glycerin (Lipo PE Base G-55, Vantage Specialty Ingredients) | 12.00 |
| C. Talc | 3.00 |
| Iron Oxides | 9.00 |
| D. Triethanolamine | 1.50 |
| E. Synthetic Beeswax | 10.00 |
| Copernicia Cerifera (Carnauba) Wax | 4.50 |
| Hydrogenated Polyisobutene | 5.50 |
| Stearic Acid | 3.00 |
| Sorbitan Sesquioleate | 1.30 |
| Propylparaben | 0.20 |
| C12-15 Alkyl Benzoate (Lipionate NEB, Vantage Specialty Ingredients) | 1.00 |
| F. Water (aqua) | 1.00 |
| Imidazolidinyl Urea | 0.10 |

Total: 100.00%

Procedure: In main kettle, combine A and heat to 70°C. Mill A in a colloid mill. Add B and C and continue milling until pigment is dispersed uniformly. Add D to batch. In a separate kettle, combine E and heat to 80-84°C. Heat ABCD to 80-84°C and mix slowly to de-aerate the batch. Add E to batch under slow sweep and emulsify the batch. Cool to 35°C, and add premixed F. Pour the batch at 30°C into a suitable container.

**Warming Lip Gloss**

*(Vantage Specialty Ingredients)*

This is a low-viscosity blend that moisturizes and adds shine to lips with a warming sensation.

| A. Hydrogenated Polysobutene | 58.00% w/w |
| Tridecyl Trimellitate | 35.00 |
| Vanillyl Butyl Ether (Hotact VBE, Vantage Specialty Ingredients) | 0.25 |
| B. PEG-4 Dihypanoate | 6.55 |
| Propylparaben | 0.20 |

Total: 100.00%