Colour ...

... your beauty
Colour Your Beauty

Colour Campaign by Biesterfeld Spezialchemie GmbH

Sample kit with 7 innovative and creative cosmetic formulations:

- Cream To Powder Foundation
- Fresh Kick BB Mousse
- Hold The Line Gel – Eyeliner Gel
- Sparkling Smile Lip Gloss
- Softy Foundation Stick
- Wipe & Forget – Make Up Remover
- Umbrella For Lashes – Water-resistant & Volume Mascara
The raw materials used for the kits are from our partners:
Product Features:
Appearance: brown waxy paste

Application behaviour: silky and powdery skin feel

Storage stability: stable for more than 3 months at 20°C, 40°C and 4°C.
# Cream To Powder Foundation
## Formulation BSC 24-3-212

<table>
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<td>Creasperse® Yellow</td>
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<td>Creaspheres® PMMA WL6</td>
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<td>Nylonpoly® WL 10 PUR</td>
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<td>Cashmir S3</td>
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<td></td>
<td></td>
<td><strong>Total</strong></td>
<td><strong>100,00</strong></td>
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</table>
Manufacturing process:
Dissolve phase A at room temperature while stirring until homogeneous.
Heat phase B to 70-80°C and stir for 15 min.
Add ingredients of phase C to phase B and mix until homogeneous.
Add phase A to B/C and keep temperature at 70°C.
Add ingredients of phase D one after the other and keep temperature while stirring at 70°C.
Remove remaining air by using a weak vacuum or keep temperature while stirring gently for 15 min.
Pour into moulds between 60-65°C.
• Melts during application
• Gives a powdery after-feel

Dow Corning® 9701:
• Wrinkle-filling agent
• Soft focus effect

Dow Corning® SW 8005 C30 Resin Wax:
• Wear resistance

Combination of Nylonpoly® WL 10 PUR and Creaspheres® PMMA WL 6:
• Powdery skin feel

Creanatural® Vegetable Squalane:
• Natural source: Olive
**Product Features:**

**Appearance:**
brown viscous mousse gel

**Application behaviour:** smooth, silky and moisturised skin feel

**Viscosity:** approx. 80000 mPa·s (Brookfield DV-II: Spindle 7; Speed 10)

**Storage stability:** stable for more than 3 months at 20°C, 40°C and 4°C
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<thead>
<tr>
<th>Phase</th>
<th>Trade Name</th>
<th>INCI</th>
<th>Wt.%</th>
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<td>Zemea®</td>
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<td>Glycerin 86%</td>
<td>Glycerin</td>
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<td>Sodium Chloride</td>
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<td>Salicat MI 10</td>
<td>Aqua, Methylisothiazolinone</td>
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<td>Caprylyl Methicone, PEG-12 Dimethicone/PPG-20 Crosspolymer</td>
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<td>Z-Cote HP 1</td>
<td>Zinc Oxide, Triethoxycaprylylsilane</td>
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<td>DC FZ-3196</td>
<td>Caprylyl Methicone</td>
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<td>DC BY 25-337</td>
<td>PEG/PPG-19/19 Dimethicone, C13-16 Isoparaffin, C10-13 Isoparaffin</td>
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<td>Mi Brid SA/NAI B-10/D5</td>
<td>CI 77499, Cyclopentasiloxane, Dimethicone, Disodium Stearoyl Glutamate, Alumina</td>
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<td>Parfume</td>
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Manufacturing process (cold process):
Dissolve phase A.
Add phase A little by little to phase B while stirring with high stirring speed until a homogeneous viscous mousse gel is obtained.
Premix phase C while stirring.
Add phase C to phase A/B while stirring until a homogeneous gel is obtained.

Use 1% Purewhite for a skin lightening effect. It provides an even skin pigmentation.
Mattifying mousse
All-in-one formulation including sun protection
Cost-effective

Dow Corning® EL 7040 Hydro Elastomer Blend:
• Excellent skin feel → moisturizing, silky, refreshing
• Possibility to include a high amount of water and glycols

Dow Corning® BY 25-337:
• Improves stability
• Improves behaviour of application

Zemea®
• Moisturizing agent
• Reduce of tackiness
• Supports preservative system
**Product Features:**
Appearance: light blue gel, violet iridescent

Application behaviour: fast drying, high stability, no balling effect

pH-value: 6,6 - 7,3

Viscosity: approx. 24500 mPa·s (Brookfield DV-II: Spindle 6; Speed 10)

Storage stability: stable for more than 3 months at 20°C, 40°C and 4°C.
**Hold The Line Gel** Transfer-resistant Eyeliner Gel
*Formulation BSC 17-6.1-912*

<table>
<thead>
<tr>
<th>Phase</th>
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<th>Wt.%</th>
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<td>Viscolam MAC 10 Acrylates Copolymer</td>
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<td></td>
<td>Zemea® Propanediol Alcohol denat.</td>
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<td>B</td>
<td>DC HMW 2220 Divinylidimethicone/Dimethicone Copolymer, Non-ionic Emulsion C12-13 Pareth-3, C12-13 Pareth-23</td>
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<td>DC FA 4002 ID Silicone Acrylate Isododecane, Acrylates/Polytrimethylsiloxymethacrylate Copolymer</td>
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<td>Saliguard MEPX Phenoxyethanol, Methylparaben, Ethylparaben</td>
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<td></td>
<td>Creastar® Intense Blue No. 1 Calcium Aluminium Borosilicate, Titanium Dioxide, Cl 42090, Cl 45410</td>
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</table>

**Manufacturing process (cold process):**
Premix phase A in given order and stir until a clear gel is obtained.
Add ingredients of phase B in given order.
Stir until a homogeneous gel is obtained.
Hold The Line Gel Transfer-resistant Eyeliner Gel Formulation BSC 17-6.1-912

- Very fast drying formulation
- Transfer-resistance

Combination of Dow Corning® HMW 2220 Non-ionic Emulsion and Dow Corning® FA 4002 ID:
  - Excellent film forming properties

Creastar® Intense Blue No.1:
  - Irisation effect

TIP This eyeliner is almost water-resistant in short-term contact with water (e.g. rain), but easy to remove.
Product Features:
Appearance: red-pink translucent viscous gel

Application behaviour: smooth and creamy feel

Viscosity: approx. 55000 mPa·s (Brookfield DV-II: Spindle 7; Speed 10)

Storage stability: stable for more than 3 months at 20°C, 40°C and 4°C.
**Sparkling Smile Lip Gloss**  
*Formulation BSC 25-1.1-812*

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<td>Creagel® Crystal AF</td>
<td>Hydrogenated Polydecene, Ethylene/Propylene Copolymer</td>
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<td>DC 5562 Carbinol Fluid</td>
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<td>DC FZ-3196</td>
<td>Caprylyl Methicone</td>
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<td></td>
<td>Saliguard PG</td>
<td>Phenoxyethanol, Caprylyl Glycol</td>
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<td>Performa V™ 825</td>
<td>Synthetic Wax</td>
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<td>Tefpoly® Begonia</td>
<td>CI 15850, PTFE, Perfluoroperhydrophenanthrene</td>
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<td>Tefpoly® Black</td>
<td>CI 77499, Polytetrafluoroethylene, Perfluoroperhydrophenanthrene</td>
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<td>Gold Purple R28 WL60</td>
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**Manufacturing process (cold process):**  
Premix phase A while stirring.  
Predisperse ingredients of phase B and add to phase A.  
Add ingredients of phase C.  
Stir until homogeneous.
• Non-tacky formulation
• No stringing effect

Combination of Dow Corning® FZ 3196 and Dow Corning® 5562 Carbinol Fluid:
  • Pigment dispersing agents

Tefpoly® Black and Tefpoly® Begonia:
  • Excellent adhesion
  • Hydrophobic effect on lips
  • Long lasting colour
Creagel® Crystal VS HV and Creagel® Crystal AF:

- Perfect to adjust the right viscosity
- Soft, not sticky

Performa V™ 825:

- Glossing agent
- Improves shine
- Excellent film former

Important: for this kind of application you need flavours that are conform to the GRAS guidelines (contact with mucosa)
Product Features:
Appearance: brown semi-solid stick

Application behaviour: soft and silky, absorbs very fast

Storage stability: stable for more than 3 months at 20°C, 40°C and 4°C.
# Softy Foundation Stick
## Formulation BSC 32-6-812

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<td><strong>A</strong></td>
<td>Xiameter® PMX-200 Fluid 2 cs</td>
<td>Dimethicone</td>
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<td>DC MQ-1640 Flake Resin</td>
<td>Trimethylsiloxyisilicate, Polypropyl Silsesquioxane</td>
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<td>Creasil® ID CG</td>
<td>Isododecane</td>
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<td><strong>A1</strong></td>
<td>DC 9701 Cosmetic Powder</td>
<td>Dimethicone/Vinyl Dimethicone Crosspolymer, Silica</td>
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<td>KahlWax 6607</td>
<td>Helianthus Annuus Seed Wax</td>
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<td>Performalene™ 400</td>
<td>Polyethylene</td>
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<td>DC HY-3051 Soy Wax Blend</td>
<td>Hydrogenated Soybean Oil, Hydrogenated Soy Polyglycerides, C15-23 Alkane</td>
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<td>Palmester® 1512</td>
<td>Isopropyl Myristate</td>
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<td><strong>C</strong></td>
<td>Creasperse® White R</td>
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<td>Creaspheres® PMMA WL6</td>
<td>PMMA, Polymethyl Methacrylate</td>
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<td>Talcpoly® WL10 Pur</td>
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<td><strong>D</strong></td>
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<td>Parfum</td>
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</table>
Manufacturing process:
Dissolve phase A at 25-55°C until a clear solution is obtained.
Add and dissolve A1.
Heat phase B to 85°C.
Add ingredients of phase C to phase B and mix until homogeneous.
Keep temperature at 70-75°C.
Stir until homogeneous.
Add phase A and D and stir until homogeneous.
Remove remaining air by using a weak vacuum or keep temperature while stirring gently for 15 min.
Pour into containers between 72-75°C.
• Soft and light texture
• Slight coverage and natural appearance

Dow Corning® MQ 1640 Flakes:
• Wear resistance

Dow Corning® 9701:
• Wrinkle-filling agent
• Soft focus effect

Creaspheres® PMMA WL 6 and Talcopoly® WL 10 PUR:
• Mattifying agents
• Oil absorbing properties
Product Features:
Appearance: translucent to white gel

Application behaviour:
o no irritation of eyes, soft cleansing

pH-Value: 5,5 - 6,5

Viscosity: approx. 9000 mPa·s
(Brookfield DV-II: Spindle 6; Speed 10)

Storage stability: stable for more than 3 months at 20°C, 40°C and 4°C.
### Manufacturing process (cold process):
Premix phase B.
Add phase A little by little to phase B while stirring.
Homogenize until a homogeneous lotion is obtained.

<table>
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<th>Phase</th>
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<th>INCI</th>
<th>Wt.%</th>
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<td>A</td>
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<td>Zemea®</td>
<td>Propanediol</td>
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<td></td>
<td>Salicat MI 10</td>
<td>Aqua, Methylisothiazolinone</td>
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<tr>
<td>B</td>
<td>DC FZ-3196</td>
<td>Capryl Methicone</td>
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<td>DC 5562 Carbinol Fluid</td>
<td>Bis-Hydroxyethoxypropyl Dimethicone</td>
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<td>Emanon® EVE</td>
<td>Glycereth-7 Caprylate/Caprate</td>
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<td>Viscolam AT 100 EF</td>
<td>Sodium Polyacryloyl/dimethyl Taurate, Hydrogenated Polydecene, Capryl/Capryl Glucoside</td>
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</table>

100,00
Very mild, effective cleansing liquid
No oily and sticky residue
Moisturizing skin feel
No skin and eye irritating properties (internal test panel; n=10)

Combination of Dow Corning® FZ 3196 and Dow Corning® 5562 Carbinol Fluid:
- Pigment dispersing agents
- Very easy removability of pollutants and pigments

Emanon EVE:
- Mild co-surfactant
- Improved make up removing properties
Product Features:
Appearance: black and shiny emulsion

Product benefit: long lasting, waterresistant, voluminizing

Viscosity: 60000 - 100000 mPa·s (Brookfield DV-II: Spindle 7; Speed 10)

Storage stability: stable for more than 3 months at 20°C, 40°C and 4°C.
<table>
<thead>
<tr>
<th>Phase</th>
<th>Trade Name</th>
<th>INCI</th>
<th>Wt.%</th>
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<td>A1</td>
<td>Keltrol® CG-SFT</td>
<td>Xanthan Gum</td>
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<tr>
<td>A2</td>
<td>CreaBlack® Super</td>
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<td>A3</td>
<td>Saliguard MEPX</td>
<td>Phenoxyethanol, Methylparaben, Ethylparaben</td>
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<td>Sodium Hydroxide (pellets 100%)</td>
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<td>Palmera® B1802</td>
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<td>Cutina GMS V</td>
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<td></td>
<td>Hybridur® 875 Polymer Dispersion</td>
<td>Polyurethane-2, Polymethyl Methacrylate</td>
<td>10,00</td>
</tr>
<tr>
<td></td>
<td>Planoxia-RG</td>
<td>Aqua, Butylene Glycol, Panax Ginseng Root Extract</td>
<td>2,00</td>
</tr>
<tr>
<td></td>
<td>Coloursphere® WL 40 Black HL</td>
<td>Styrene/Acrylates Copolymer, PEG 26-PPG 30 Phosphate, Cl 77499</td>
<td>5,00</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>100,00</td>
</tr>
</tbody>
</table>
Manufacturing process:
Heat phase A to 85°C while stirring.
Add and dissolve A1 while stirring then add A2 while stirring.
Add and dissolve A3 while stirring.
Homogenize the complete water phase.
Heat phase B to 85-90°C.
Emulsify phase A slowly to phase B while stirring.
Homogenize.
Cool down to room temperature and add the ingredients of phase C below 40°C in given order while stirring.
Fill in containers.
• Multi-effect Mascara

Combination of Dow Corning® 680 ID, Dow Corning® SW 8005 C30 Resin Wax and Hybridur® 875 Polymer Dispersion:
  • Water resistance
  • Smudge-proof
  • Wear resistance

Planoxia-RG:
  • Strengthens eyelashes
  • Promotes hair growth

Coloursphere® WL 40 Black HL:
  • Voluminizing effect
Coloursphere® WL 40 has oil absorbing properties. This may result in an step by step increase of viscosity. Therefore we recommend to pre-disperse Coloursphere® WL 40.

1. 5% Coloursphere® WL 40 in 5% water

or

2. 5% Coloursphere® WL 40 in 10% Hybridur® 875 Polymer Dispersion

As a result the pigments are saturated and no base will be absorbed during storage.
Mascara Volume Research

Mascara formulation “Umbrella for Lashes” (with 5% Coloursphere® WL 40) was tested and compared to two market formulations with volume claims:

- Water-resistant High Volume Mascara with Coloursphere® WL 40
- Water-resistant High Volume Mascara without Coloursphere® WL 40
- Market Product 1
- Market Product 2

Three layers of each mascara were applied on a single hair. Each hair was measured before and after application (Hitachi TM-1000 Tabletop Microscope SEM).

Results:

<table>
<thead>
<tr>
<th>Mascara</th>
<th>Ø of hair without mascara</th>
<th>Ø of hair with mascara</th>
<th>Increase %</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coloursphere® WL 40 Mascara</td>
<td>156</td>
<td>248</td>
<td>59%</td>
</tr>
<tr>
<td>Basic Mascara (without Coloursphere® WL 40)</td>
<td>129</td>
<td>185</td>
<td>43%</td>
</tr>
<tr>
<td>Market Product 1</td>
<td>102</td>
<td>146</td>
<td>43%</td>
</tr>
<tr>
<td>Market Product 2</td>
<td>119</td>
<td>156</td>
<td>31%</td>
</tr>
</tbody>
</table>
Mascara Volume Research

Mascara with 5% Coloursphere® WL 40

Basic Mascara without Coloursphere® WL 40

Market Product 1

Market Product 2
Conclusion:

As shown in the microscope pictures, Coloursphere® WL 40 adds significant and notable volume and structure.

Comparison:

The water-resistant High Volume Mascara with Coloursphere® WL 40 shows a significant higher volume increase.

• Umbrella for lashes with Coloursphere® WL 40 adds up to 28% more volume compared to a lash without Mascara.
• Umbrella for lashes with Coloursphere® WL 40 shows 16% more volume compared to the formulation without Coloursphere® WL 40.
Colour Your Beauty - Kit
Dow Corning® 2503 Cosmetic Wax
Silicone wax, melts on contact with skin, provides moisturising benefits, wash-off resistance.

Dow Corning® 5562 Carbinol Fluid
Polar solvent for pigment dispersion, moisturisation booster, gives smooth, light and lubricious formulation, enhances SPF, fragrance release.

Dow Corning® 680 ID Fluid
Silicone resin, soft and flexible film former (semi-occlusive), sebum repellent, transfer resistance, wash-off resistance.

Dow Corning® 9701 Cosmetic Powder
Elastomer powder, silky powdery skin feel, wrinkle masking, superior dispersion quality, mattifying, absorption of various fluids and oils, easy to use product.

Dow Corning® BY 25-337
Water-in-oil and water-in-silicone emulsifier, crystal clear, excellent for pigmented silicone gels.
Dow Corning® EL-7040 Hydro Elastomer Blend
Hydrophilic silicone Elastomer gel, superior aesthetics and outstanding sensory feel (silky, smooth, fresh), provides body and freshness to formulations with high water or glycol content, excellent compatibility with polar materials (ethanol, sun filters, oils, etc.), formulations with high pigment and water/glycerine-levels possible, fast-break textures.

Dow Corning® FA 4002 ID Silicone Acrylate
Film former, durable foundation with comfort to wear, wash-off resistance, sebum resistance and reduction, non-occlusive.

Dow Corning® FZ-3196
Alkylmethylsiloxane, moderate volatility, dispersion of pigments, unique light, smooth and less dry feel, improves gloss and colour intensity, improves spreadability and reduces tackiness and greasy feel of vegetable oils, superior cleansing with low residue.

Dow Corning® HY-3051 Soy Wax Blend
Semi-occlusive emollient, provides smooth skin feel, moisturising agent.
Dow Corning® HMW 2220 Non-ionic Emulsion
Non-ionic emulsion of ultra high internal viscosity, imparts rich feel to the formulation, superior skin feel, wash-off resistance, film barrier properties, viscosity builder for water-in-silicone systems, imparts good foam quality and quantity in shower gel, hair repair benefits in leave-in conditioner for heat damaged hair.

Dow Corning® MQ-1640 Flake Resin
Flexible film former, provides a permeable film, easy to use flake form, sebum resistant, long lasting, rub-off resistance, comfort of wear, colour intensity, improves shine, non tacky.

Dow Corning® SW-8005 C30 Resin Wax
Silicone resin wax, rheology and texture modifier, structuring agent, increases non-transfer and wash-off resistance properties, improves coverage and colour uniformity, improves colour intensity.

Xiameter® PMX-200 Silicone Fluid 2cs
Volatile silicone fluid, soft and light feel, skin lubricity, leaves no residue, non-greasy feel, minimises flaking.
**Alphaflow® 30**  
Emollient, moisture barrier, soft and rich feel, excellent spreadability, shine and gloss without greasiness.

**Coloursphere® WL 40 Black HL**  
Excellent film forming properties, permit high colour impact, increasing the volume of eyelashes, no flaking, no clumping, good eyelash separation, ideal for long lasting application, improved wear and performance.

**CreaBlack® Super**  
Black iron oxide, pigment.

**Creagel® Crystal AF**  
Oil gel, viscosity and texture modifier for oil and W/O-emulsions, film former (long-lasting, pseudoplastic film), moisture barrier, water resistant, gloss and shine, photostability.
Creagel® Crystal VS HV
Creagel Crystal with increased viscosity due to high polymer content, based on vegetable oil.

Creanatural® Vegetable Squalane
Smooth, silky and soft skinfeel, no fattiness, excellent spreadability, improves incorporation of pigments in emulsions.

Creasil® ID CG
Volatile silicone fluid, soft and light feel, skin lubricity, leaves no residue, minimises flaking, non-greasy feel.

Creasperse® Colour
Colourant dispersions, easy to use, high colour intensity, suitable for hot and cold processing.

Creaspheres® PMMA WL6
Texture enhancer, soft focus agent, soft skin feel, matte application.
Creastar®
Pearlescent pigment, create unique shades and colour reflections, allows unlimited colour mixing.

Nylonpoly® WL 10 PUR
Texturizer, filler and dry binder, improve pressability, soft and mattifying effect, dry lubricant due to spherical shape, improves pressability with no cracking of powders.

Talcpoly® WL 10 PUR
Untreated talc powder, filler, absorbent powder, improves pressability and skin adherence, offers softness.

Tefpoly®
Colourant, texturizer, very soft feel, long lasting application, heat stable, ease of application, resists feathering.
Hybridur® 875 Polymer Dispersion
Effective film former with barrier protection properties, flexible film, water resistance, improved spreadability, improved payout of pigments, excellent adhesion properties, soft skinfeel.

Keltrol® CG-SFT
Thickener, texturizer.

Zemea®
Natural based propanediol as glycol alternative, moisturiser, humectant, emollient, very effective preservative booster, excellent sensory feel, no tackiness, no irritation or sensitisation of the skin, enhanced clarity. Ecocert approved.
**Emanon® EVE**
Mild surfactant, cold emulsifier, enhanced cleansing, solubilizer for oils, smoothes skin, moisturising.

**Glycerin**
Humectant, stabiliser for emulsions.

**Palmera® B1802**
Emulsifier, stabilising agent for emulsions.

**Palmester® 1512**
Oil with excellent spreadability.

**Palmester® 1543**
Oil with excellent spreadability.
**Colour Your Beauty - Partner**

**Products available at Biesterfeld: Lamberti**

**Viscolam AT 100 EF**
Ready-to-use polymeric thickener and stabiliser, high compatibility with oils and silicones, EO-free, soft, silky skinfeel, suitable for hot and cold processes.

**Viscolam MAC 10**
Alkali-swellable emulsion polymer, imparts thickening, stabiliser, suitable for hot and cold processes.

**Products available at Biesterfeld: New Phase Technologies**

**Performa V™825**
Excellent film former, superior shine and gloss, reduced greasiness.

**Performalene™ 400**
Thickener and structuring agent for oils, light feel on skin, uniform payout, matte appearance, flexible film, water resistance.
Colour Your Beauty - Partner

Products available at Biesterfeld: Radiant

Planoxia-RG
Korea Red Ginseng extract, hair and eyelash growth agent.

Products available at Biesterfeld: Salicylates & Chemicals

Salicat MI 10
Preservative

Saliguard PG
Preservative

Saliguard MEPX
Preservative

Salisol OMC
UV-filter, sun protection and product protection.
We hope you feel inspired by our new formulation guide!

Thanks for your attention.

Your Biesterfeld Cosmetics Teams

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