SPECIALTY WAX ADDITIVES
FOR COLOR COSMETICS

MICRO POWDERS, INC.
**Micro Powders** for color cosmetics...blending science with beauty

**PRESSED & LOOSE POWDERS**

**Microease 110S**
Economy and performance in a synthetic wax dry binder with a spherical particle shape. Notably improves feel of the final product.

**Microease 114S**
Reliably efficient press aid for powder applications. This micronized synthetic wax with a spherical particle shape has a higher molecular weight than Microease 110S for an even creamier feel.

**Micropoly 250S**
Ultra performance from an ultra high molecular weight polyethylene with spherical particle shape and extremely narrow particle size distribution. Imparts excellent lubricity, smooth feel and good flow properties, with a youthful soft focus effect.

**Micropoly 220/220L**
Superior binding power in finely micronized, high molecular weight polyethylene powders. Both grades promote adhesion and wear resistance while providing the creamiest feel.

**Micropoly 1160S**
Another extraordinary product for loose powder formulations in a high molecular weight polyethylene with a spherical particle shape. Characterized by a silky feel and unique flow properties, with excellent soft focus and line filling effects.

**Microsorb 944S**
This unique spherical particle powder combines polyethylene, calcium silicate, and silica to effectively control oil in both loose and pressed powder formulations. It will also provide soft focus and line filling properties with a smooth and silky feel.

**Microslip® 519/519L**
Enjoy the highest level of lubricity from these finely micronized virgin grade PTFE (polytetrafluoroethylene) powders. For a smooth silky feel plus improved spreadability for pressed powder products. Effectively binds even difficult-to-press pigments.

**Microsilk 419**
Distinctive creamy and silky feel comes from this unique combination of polyethylene wax and PTFE. Exceptional binding ability makes it the ideal sole binder in oil-free pressed powder applications, and simplifies the manufacturing process.

**Mattewax 511**
Superb mattefying agent produced from ultra high molecular weight polypropylene wax. Provides an exceptional smooth matte finish.

**Matteblack 523**
Permanently colored with Black 2, this finely micronized, high molecular weight polypropylene wax helps to provide a higher quality black, while allowing for the adhesion and binding of the high molecular weight polypropylene wax.

**LIPSTICKS & HOT POURS**

**Microcare 710**
Ideally suited as a dry binder in pressed powder applications, this combination of polyethylene, carnauba wax, and PTFE imparts excellent binding properties of the polyethylene and carnauba wax with superior lubricity and flow properties of the PTFE. It also helps to promote excellent adhesion of color cosmetic formulations to the skin.

**Microcare 350*®**
An eco-friendly choice utilizing 100% micronized all natural carnauba wax. Excellent adhesion, water resistance and binding properties enhance natural and mineral powder applications.

**Ecosoft® Products**
Renewable resources produce these finely micronized biodegradable polylactic acid polymers. Designed to increase slip and enhance the texture of pressed and loose powders. Ideally suited for use as binders.

**Microcare 710**
Economically improve structure with this unmicronized synthetic wax blend. Eliminates the need for other structural polymers.

**Micropoly 204**
Provide excellent structure to all of your hot pour systems with this unmicronized synthetic polyolefin wax. It is formulated to a melt point of 68-77°C for ease of incorporation and eliminates the need for other structural polymers. It is especially effective in helping to prevent sweating of the oils in lipstick and lipgloss formulations.

**Micropoly 220/220L**
A beauty for lipsticks. Use this high molecular weight micronized polyethylene powder to increase stick strength and prevent sweating of oils. An efficient structural polymer for all hot pours.

**Micropoly 250S**
Pencil this in: ultra high molecular weight, finely micronized polyethylene with a spherical particle shape. Fine particle size and shape provides the highest amount of surface area to prevent sweating of oils. Ideal for cosmetic pencils: improves structure and ease of application.

**Mattewax 511**
Take it to the matte with this ultra high molecular weight micronized polypropylene. Beautifully efficient matting agent for lipsticks.

**Microcare 710**
A combination of polyethylene, carnauba wax, and PTFE, it imparts excellent binding properties of the polyethylene and carnauba wax with superior lubricity and flow properties of the PTFE. It also helps to increase stick strength and prevent sweating in anhydrous stick formulations.
Micro Powders® is the innovator in micronized waxes designed for color cosmetics. These specialty products bring many benefits to your formulas. Choose from a broad range of additives to address unique needs in powdered make-up, liquid make-up and stick applications…with the added benefit of improved wear resistance for a long-lasting cosmetic application. As easily incorporated process aids, they support more efficient manufacturing while adding specific high performance properties and superb feel. Manufactured to the highest standards, Micro Powders wax additives are economical for the mass market, and appropriate for the luxury market.

**LIQUID FOUNDATIONS / CONCEALERS**

**Micropoly 220L**
Have it both ways: improved adhesion and a soft creamy feel, with the help of this high molecular weight, finely micronized polyethylene wax.

**Micropoly 250S**
Pretty smooth… ultra high molecular weight, finely micronized polyethylene powder in spherical particle shape with narrow particle size distribution. Final finish: soft focus and line filling effects.

**Micropoly 1160S**
Unique silky feel and slip result from this high molecular weight polyethylene with spherical particle shape. Provides improved application and texture plus excellent soft focus effect.

**Microslip® 519/519L**
Give foundations the slip with two grades of finely micronized PTFE powders specifically designed to enhance feel and spreadability.

**Mattewax 511/Microspersion® 511PC**
Highly efficient mattifying from an ultra high molecular weight polypropylene wax. Provides a smooth matte finish with excellent hiding properties.

Multi-tasker: unique dispersion of Mattewax 511 in a combination of low molecular weight polyethylene and isohexadecane. Designed for ease of incorporation, smooth matte finish and excellent after feel.

**Microcare 710**
This combination of polyethylene, carnauba wax, and PTFE imparts excellent binding properties of the polyethylene and carnauba wax with superior lubricity and flow properties of the PTFE. It also helps to promote excellent adhesion of color foundation and concealer formulations to the skin.

**Microcare 350*”**
Instant attraction: finely micronized carnauba wax imparts excellent adhesion properties and increased water resistance to liquid make-up formulations.

**Microsilk 920**
A unique blend of ultra-high molecular weight polypropylene and PTFE, which provides the excellent matting properties of polypropylene and the lubricity of PTFE. It provides a smooth, silky and matte finish to color cosmetic formulations.

**Microspersion 627PC**
Dispersed with other powders to give a final finish: soft focus and line filling effects.

**MASCARAS**

**Micropoly 204**
Help to build body and structure in your mascara/eyeliner formulations with this unmicronized synthetic polyolefin wax. It is formulated to a melt point of 68-77°C for ease of incorporation and eliminates the need for other structural polymers.

**Microcase 114S**
In the blink of an eye… this micronized high molecular weight synthetic wax with spherical particle shape imparts long wear and water resistance properties to mascara formulas.

**Matteblack 523**
A finely micronized, highly branched polypropylene wax colored with D&C Black No. 2 (carbon black). The combination of this high purity black with our polypropylene powder will provide a higher quality black, while allowing for the adhesion, binding and improved wear resistance of the high molecular weight polypropylene wax. Matteblack 523 is also easy to incorporate during formulation, decreasing the risk of agglomeration and increasing the color value in mascaras and eyeliners.

**Micropoly 220L**
Body builder: micronized polyethylene wax additive assists in building full-body lashes and long wear.

**Microcare 350*”**
All natural carnauba wax in a finely micronized form provides excellent adhesion and water resistance properties.

**Microcare 710**
A finely micronized combination of polyethylene, carnauba wax, and PTFE. The excellent binding properties of the polyethylene and carnauba wax and superior lubricity and flow properties of the PTFE help to promote hydrophobicity, body, and excellent adhesion of mascara formulations to the skin.

**Ecosoft® 611*”**
Unique, homogeneous blend of eco-friendly polymers combines biodegradable polylactic acid and prime yellow carnauba #1 wax. Perfectly micronized to a fine particle size to promote excellent adhesion and water resistance properties.
# Color Cosmetics Product Application Guide

<table>
<thead>
<tr>
<th>Product</th>
<th>INCI Name(s)</th>
<th>Melt Point (°C)</th>
<th>Density (g/cc@25°C)</th>
<th>Mean Particle Size (microns)</th>
<th>Recommended Addition Levels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ecosoft 608</td>
<td>Polylactic Acid</td>
<td>140-150</td>
<td>1.23-1.25</td>
<td>16.0-20.0</td>
<td>2.0-4.0%</td>
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<tr>
<td>Ecosoft 608XF</td>
<td>Polylactic Acid</td>
<td>140-150</td>
<td>1.23-1.25</td>
<td>8.0-12.0</td>
<td>2.0-4.0%</td>
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<tr>
<td>Ecosoft 611</td>
<td>Polylactic Acid/Copernicia Cerifera (Carnauba) Wax</td>
<td>140-150</td>
<td>1.09-1.11</td>
<td>8.0-12.0</td>
<td>2.0-4.0%</td>
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<tr>
<td>Matteblack 523</td>
<td>Polypropylene/Black 2 /Calcium Carbonate</td>
<td>160-170</td>
<td>0.86</td>
<td>8.0-12.0</td>
<td>1.0-10.0%</td>
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<tr>
<td>Mattewax 511</td>
<td>Polypropylene</td>
<td>160-170</td>
<td>0.86</td>
<td>8.0-12.0</td>
<td>1.0-5.0%</td>
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<tr>
<td>Microcare 350</td>
<td>Copernicia Cerifera (Carnauba) Wax</td>
<td>83-86</td>
<td>0.99</td>
<td>6.0-8.0</td>
<td>1.0-3.0%</td>
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<tr>
<td>Microcare 710</td>
<td>Copernicia Cerifera (Carnauba) Wax/Polyethylene/PTFE</td>
<td>119-124</td>
<td>1.10</td>
<td>4.0-6.0</td>
<td>1.0-3.0%</td>
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<tr>
<td>Microease 110S</td>
<td>Synthetic Wax</td>
<td>108-113</td>
<td>0.94</td>
<td>6.0-8.0</td>
<td>2.0-4.0%</td>
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<tr>
<td>Microease 1132</td>
<td>Synthetic Wax/Microcrystalline Wax</td>
<td>83-89</td>
<td>0.94</td>
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<tr>
<td>Microease 114S</td>
<td>Synthetic Wax</td>
<td>110-116</td>
<td>0.96</td>
<td>6.0-8.0</td>
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<tr>
<td>Micropoly 1160S</td>
<td>Polyethylene</td>
<td>109-112</td>
<td>0.92</td>
<td>10.0-15.0</td>
<td>1.0-10.0%</td>
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<tr>
<td>Micropoly 204</td>
<td>Synthetic Wax</td>
<td>68-77</td>
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<tr>
<td>Micropoly 220</td>
<td>Polyethylene</td>
<td>123-125</td>
<td>0.96</td>
<td>7.0-9.0</td>
<td>1.0-10.0%</td>
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<tr>
<td>Micropoly 220L</td>
<td>Polyethylene</td>
<td>123-125</td>
<td>0.96</td>
<td>8.0-10.0</td>
<td>1.0-10.0%</td>
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<tr>
<td>Micropoly 250S</td>
<td>Polyethylene</td>
<td>129-131</td>
<td>0.97</td>
<td>2.0-4.0</td>
<td>1.0-10.0%</td>
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<tr>
<td>Microsorb 944S</td>
<td>Polyethylene/Calcium Silicate/Silica</td>
<td>110-113</td>
<td>1.27</td>
<td>28.0-30.0</td>
<td>1.0-10.0%</td>
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<tr>
<td>Microsilk 419</td>
<td>Polyethylene/PTFE</td>
<td>121-124</td>
<td>1.10</td>
<td>9.0-11.0</td>
<td>1.0-30.0%</td>
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<tr>
<td>Microsilk 920</td>
<td>Polypropylene/PTFE</td>
<td>160-170</td>
<td>1.14</td>
<td>7.0-11.0</td>
<td>1.0-10.0%</td>
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<tr>
<td>Microslip 519</td>
<td>PTFE</td>
<td>&gt;316</td>
<td>2.20</td>
<td>5.0-6.0</td>
<td>1.0-5.0%</td>
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<tr>
<td>Microslip 519L</td>
<td>PTFE</td>
<td>&gt;316</td>
<td>2.20</td>
<td>11.0-13.0</td>
<td>1.0-5.0%</td>
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<tr>
<td>Microspersion 511PC</td>
<td>Polypropylene/Polyethylene/Isodecane</td>
<td>N/A</td>
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<td>8.0-12.0</td>
<td>2.0-10.0%</td>
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<tr>
<td>Microspersion 627PC</td>
<td>Polyethylene/Methyl Methacrylate Crosspolymer/Isodecane</td>
<td>N/A</td>
<td>0.96</td>
<td>8.0-12.0</td>
<td>2.0-10.0%</td>
</tr>
</tbody>
</table>