



# FUNDAMENTALS<sup>®</sup> CONSUMER PRODUCT Underglaze INFORMATION SHEET

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This Consumer Product Information Sheet is for **consumer use** and does not meet the requirements for workplace Safety Data Sheets.

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## **Section 1: Contact and Product Information**

### **1.1 Manufacturer or Responsible Party's Contact Information**

**Name:** Mayco Colors

**Address:** 4077 Weaver Ct S, Hilliard, Ohio 43026

**Phone:** 614-675-2020

**Website:** MaycoColors.com

**Emergency Phone Number:** National Poison Control 800-222-1222

### **1.2 Product information**

**Product Name:** Mayco FUNDAMENTALS

**Product SKU:** UG001-UG236

**ACMI Seal:** Approved Product (AP)

**Product Sizes:** 4oz, 16oz, 128oz

**Product Description:** Colored liquid glaze formulation intended to be applied using a brush and placed in a kiln for glaze firing.

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## **Section 2: Use Information**

### **2.1 Use Conditions and Finish Results:**

**Suitable substrates:** Wet clay, earthenware bisque, stoneware bisque

**Recommended application methods:** Brush or sponge.

**Firing conditions:** Cone 06 – Cone 10 (999–1305°C/1830–2381°F), oxidation or reduction.

**Fired Finish:** Fundamentals will fire with a soft matte finish when left unglazed. To intensify color or for use on dinnerware, apply a gloss or matte clear glaze.

### **2.2 General Use Instructions**

Apply 2-3 coats for full opacity and all over coverage or. For use on clay or greenware, apply underglaze, allow to dry and fire to cone 04. For gloss finish or for dinnerware use, apply clear glaze and fire to 06 (999–1046°C/1830–1915°F) for earthenware and cone 5-10 (1196–1305°C/2185–2381°F) for stoneware. Not all colors maintain their color at higher temperatures. Please refer to the color label for higher temperature performance. We



recommend testing on your clay and in your kiln. Allow to dry between coats and before firing. Water Clean-up. Do not spray apply without Personal Protective Equipment. Avoid generation of dust and minimize dust accumulation in the work area. Read safety information on product label and in Section 3 of this Consumer information Sheet before use. Visit [MaycoColors.com](http://MaycoColors.com) for more application information.

### **2.3 Cleanup & Disposal**

Clean tools in a bucket or similar container of water. Clean surfaces with a damp cloth or wet mop. Rinse water may be disposed of in a sink in most situations. Use of a clay drain trap is advised to avoid a build up of solids that may clog pipes. Do not dispose of leftover glaze down the drain. Unfired glazes may contain ingredients that are harmful to the environment and/or could plug your drain and damage pipes. Small quantities of unused glaze in the decorating process can be allowed to dry and trash. Where possible, donate or repurpose uncontaminated leftover glaze still in the jar. Consult with the local residential waste management authority for information on how to properly dispose of leftover glaze in your area.

## **Section 3: Safety Information**

### **3.1 General Safety Information**

Mayco Colors is committed to producing quality products that are safe when used in accordance with manufacturer's instructions, following good studio hygiene practices and adhering to applicable regulations (when used in a workplace). As part of this commitment, Mayco's products are evaluated by a qualified toxicologist to identify potential hazards in accordance with United States, Canada and European regulations as well as ACMI standards. It is important to note that "safe" and "hazards" are terms that do not have a universal definition. As a result, hazard classification and label information may vary from region to region.

Regardless of the level of toxicity of a glaze, we recommend taking common sense safety precautions when working with ceramic glazes to avoid accidental ingestion and other safety incidents. Keep container closed when not in use. Keep work area clean and free of clutter. Wash hands after handling / before eating, drinking or smoking. Individuals with skin sensitivity should wear gloves to avoid a skin reaction.

These products are not classified as reproductive or developmental toxins. Pregnant women can use without additional safety measures. However, any health concerns should be discussed with a qualified medical professional prior to use.

### **3.2 Quartz (crystalline silica) Information**

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Ceramic materials, including ceramic glazes, contain crystalline silica, a naturally occurring mineral found in most sand, soil, rocks and clay. When inhaled, respirable crystalline silica can penetrate deep into the lung, resulting in inflammation and scarring. Over time, inhalation of respirable crystalline silica can cause silicosis, a chronic lung



disease. Silica in liquid glazes does not pose a risk under normal use conditions since the silica is not respirable. Since spray applying can generate a respirable mist, Mayco recommends against spray applying our glazes. We leave the decision on application methods up to the consumer but strongly urge anyone considering spray application to purchase an appropriate respirator and to learn how to wear the equipment to ensure it works as designed.

Sanding, grinding, drilling and similar processes can generate fine dust particles. Inhalation of ceramic dusts can cause serious health problems. We advise against consumers engaging in activities that may generate ceramic dust. Only professional users who have implemented dust control measures and who have been fitted with and trained on the proper use of respiratory protection should conduct activities that may generate ceramic dusts.

### **3.3 United States & Canadian Consumer Product Safety Labeling**

**ACMI SEAL:** Approved Product (AP) – FOR USA ONLY

**US Labeling of Hazardous Art Materials Regulations (LHAMA) & Canadian Consumer Chemicals and Containers Regulations, 2001 (CCCR, 2001):**

**Product Hazards:** Products are not classified as toxic (acute/ chronic), corrosive, or skin/eye irritant. Products are non-flammable.

**Warnings:** None required.

**Precautionary Measures:** Do not spray apply without personal protective equipment. Avoid Dust.

### **3.4 European Union Consumer Product Safety Labeling**

**EU Classification, Labeling and Packaging (CLP):**

**Colors:** All

**Product Physical, Health & Environmental Hazards:**

**Physical Hazard Classification:** None

**Health Hazard Classification:** None

**Product Environmental Hazards:** None

**Pictograms:** None

**Warnings:** None

**Supplemental Warning:** Contains 1,2-benzisothiazolin-3-on3 (BIT). May produce an allergic reaction.



**Precautionary Measures:** Do not spray apply without personal protective equipment. Avoid dust.

**Colors:** Chocolate (UG031), Chestnut Brown (UG034), Spice Brown (UG057), Cement (UG221)

**Product Physical, Health & Environmental Hazards:**

**Physical Hazard Classification:** None

**Health Hazard Classification:** None

**Product Environmental Hazards:** Chronic Aquatic Toxicity Category 3

**Pictograms:** None

**Warnings:** Harmful to aquatic life with long lasting effects.

**Supplemental Warning:** Contains 1,2-benzisothiazolin-3-on3 (BIT). May produce an allergic reaction.

**Precautionary Measures:** Do not spray apply without personal protective equipment. Avoid dust.

### 3.5 Description of first aid measures

**Eye contact:** No specific first aid measures are required. As a precaution, remove contact lenses, if worn, and immediately flush eyes with water. Seek medical attention if in doubt.

**Skin contact:** No specific first aid measures are required. If irritation occurs, wash with plenty of water and soap. Take off contaminated clothing. If skin irritation persists: Get medical advice/attention.

**Inhalation:** Inhalation route of exposure is not anticipated with intended use (brush, sponge, detailer bottle). If exposed to excessive levels of material in the air, move the exposed person to fresh air. Seek medical attention if in doubt.

**Ingestion:** No specific first aid measures are required. As a precaution, rinse mouth with water. Do not induce vomiting. Never give anything by mouth to an unconscious person. Seek medical attention if in doubt.

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## Section 4: Product Label Images

**Colors:** KINGS BLUE (UG001), SEA BLUE (UG002), BABY BLUE (UG003), CRIMSON (UG010), ELECTRA BLUE (UG019), LEAF GREEN (UG021), SPRING GREEN (UG022), SAND (UG030), COCOA (UG032), BRIGHT YELLOW (UG046), JET BLACK (UG050), CHINA WHITE (UG051), SILVER GREY (UG053), HARVEST GOLD (UG058), IVORY (UG067), APPLE GREEN (UG068), WEDGEWOOD BLUE (UG072), TUCSON TURQUOISE (UG082), ORANGE SORBET (UG085), REGAL PURPLE (UG087), GREEN MIST (UG090), TRUE TEAL (UG091), LILAC (UG092), WILD VIOLET (UG093), PANSY PURPLE (UG094), BRIGHT BLUE (UG097), PINK PINK (UG146), DARK GREY (UG198), SQUASH YELLOW (UG203), ORANGE (UG204), FIRE ENGINE RED (UG206), FLAME RED (UG207), DRAGON RED (UG208), JADE (UG209), FOREST GREEN (UG210), CINNAMON (UG213), BLUSH (UG215), PEACH (UG216), RED CORAL (UG217), PEAR GREEN (UG218), MARINE BLUE (UG219), SAGE (UG220), SOFT YELLOW (UG222), APRICOT (UG223), ROSE (UG224), PLUM (UG225), LAVENDER (UG226), CONCORD GRAPE (UG227), MIDNIGHT BLUE (UG228), AQUAMARINE (UG229), BLUE GRASS (UG230), LIME GREEN (UG231), OLIVE (UG232), EUCALYPTUS (UG233), IVORY PEARL (UG234), OATMEAL (UG235), GREY (UG236)

<p><b>PRODUCT USE / UTILISATION DU PRODUIT</b></p> <p>Shake well. Apply 1 coat for translucency, 2-3 coats for opacity on wet clay, greenware or cone 04 (1060°C/1940°F) bisque. Allow to dry between coats. For gloss finish, to enhance color, or for use on dinnerware, fire underglaze to cone 04 (1060°C/1940°F), apply clear glaze, then refire to cone 06-10 (999-1305°C/1830-2381°F). Co-firing with a clear glaze is optional but may produce a softer color. Firing suggested.</p> <p>Bien agiter. Appliquez 1 couche pour obtenir un effet translucide, 2 à 3 couches pour obtenir un effet opaque sur de l'argile humide, des pièces en cru ou sur le cône 04 (1060°C/1940°F) bisque. Laissez sécher entre chaque couche. Pour obtenir une finition brillante, relever la couleur ou utiliser sur de la vaisselle, cuire sous glaçure à cône 04 (1060°C/1940°F), appliquer une glaçure transparente, puis recuire à cône 06-10 (999-1305°C/1830-2381°F). La cuisson conjointe avec une glaçure transparente est facultative, mais peut produire une couleur plus douce. Il est recommandé de faire des essais.</p> <p><b>MAYCO COLORS</b> 4077 WEAVER CT S HILLIARD, OH 43026 MAYCOCOLORS.COM 614-675-2020 @MAYCOCOLORS</p> <p><b>MADE IN THE USA</b> FABRIQUÉE AUX ÉTATS-UNIS</p>  <p>Learn more En savoir plus</p>	 <h1>FUNDAMENTALS<sup>®</sup></h1> <h2>Underglaze <u>EST 1954</u></h2> <p>CONE 06-10 / 999-1305°C / 1830-2381°F</p>  <p>16 FL OZ (473ml)</p>	<p><b>EU &amp; UK</b></p> <p><b>EN</b> Contains a bioactive product, BT. May produce an allergic reaction. Do not spray apply without personal protective equipment. Avoid dust. <b>CS</b> Obsahuje bioaktivní pigmenty, BT. Může vyvolat alergickou reakci. Bez osobních ochranných pomůcek nenanásejte směsí na kůži. <b>DE</b> Enthält Bioaktivprodukt, BT. Kann allergische Reaktionen hervorruhen. Nicht ohne persönliche Schutzausrüstung sprühen. Staub vermeiden. <b>ES</b> Contiene producto bioactivo, BT. Puede provocar una reacción alérgica. No utilizar mediante spray sin equipo de protección personal. Evitar el polvo. <b>FR</b> Contient produit bioactif, BT. Peut produire une réaction allergique. Ne pulvériser pas sans équipement de protection individuelle. Éviter la poussière. <b>IT</b> Contiene, prodotto bioattivo, BT. Può provocare una reazione allergica. Non applicare a spruzzo senza dispositivi di protezione individuale. Evitare che si generi polvere. <b>NL</b> Bevat bioactieve reactie veroorzaken. Spuit niet zonder persoonlijke beschermingsmiddelen. Vermijd stof. <b>PL</b> Zawiera produkt biobójczy, BT. Może powodować wystąpienie reakcji alergicznej. Nie rozpylać bez środków ochrony osobistej. Unikaj pyłu. <b>PT</b> Contém produto biobójczy, BT. Pode provocar uma reação alérgica. Não pulverizar sem usar equipamento de proteção individual. Evitar as poeiras.</p> <p><b>EU:</b> AUTHORISED REP COMPLIANCE LTD Ground Floor, 71 Lower Baginot Street Dublin D02 P593, Republic of Ireland +353 15133758 info@arcompliance.com</p> <p><b>UK:</b> Potdays Etruria, Stoke-on-Trent United Kingdom, ST4 7BP (44) 01782-219816</p>
<p><b>FOR USA ONLY / SEULEMENT POUR LES ÉTATS-UNIS</b></p>  <p>Approved for use by artists of all ages when used according to manufacturer's directions.</p> <p>Approuvé pour une utilisation par des artistes de tous âges lorsque les directives du fabricant sont suivies.</p> <p>Health hazard warnings: not required. Do not spray apply without personal protective equipment. Avoid Dust. Dinnerware: Safe with clear glaze or with another glaze that creates a sealed and chemically durable finish.</p> <p>Avertissements de danger pour la santé non requis. Ne pas vaporiser sans équipement de protection individuelle. Éviter la poussière. Sécher avec une glaçure transparente ou avec une autre glaçure créant une surface scellée et durable sur le plan chimique.</p>		
<p><b>SPECIAL NOTES / REMARQUES SPÉCIALES</b></p>		



**Colors:** CHOCOLATE (UG031), CHESTNUT BROWN (UG034), SPICE BROWN (UG057), CEMENT (UG221)

**PRODUCT USE / UTILISATION DU PRODUIT**

Shake well. Apply 1 coat for translucency, 2-3 coats for opacity on wet clay, greenware or cone 04 (1060°C/1940°F) bisque. Allow to dry between coats. For gloss finish, then fire to cone 06-10 (999-1305°C/1830-2381°F). Co-firing with a clear glaze is optional but may produce a softer color. Testing suggested.

Ben agiter. Appliquez 1 couche pour obtenir un effet translucide, 2 à 3 couches pour obtenir un effet opaque sur de l'argile humide, des pièces en cu ou sur le cône 04 (1060°C/1940°F) bisque. Laissez sécher entre chaque couche. Pour obtenir une finition brillante, rehaussés la couleur ou utilisez sur de la vaisselle, cuire sous glaçure à cône 04 (1060°C/1940°F), appliquer une glaçure transparente, puis recuire à cône 06-10 (999-1305°C/1830-2381°F). La cuisson conjointe avec une glaçure transparente est facultative, mais peut produire une couleur plus douce. Il est recommandé de faire des essais.

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HILLIARD, OH 43026  
MAYCOCOLORS.COM  
614-675-2020  
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**MADE IN THE USA**  
FABRIQUÉE AUX  
ÉTATS-UNIS



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En savoir plus



# FUNDAMENTALS®

## Underglaze EST 1954

CONE 06-10 / 999-1305°C / 1830-2381°F

16 FL OZ (473ml)

**EU & UK: EN** Contains bioacid product, BT. May produce an allergic reaction. Do not spray apply without personal protective equipment. Avoid dust. Harmful to aquatic life with long lasting effects. Avoid release to the environment. Dispose of contents/container in accordance with local, regional, national and/or international regulation. **ES** Contiene bioácido y productos químicos. Puede producir una reacción alérgica. No utilizar mediante spray sin equipo de protección personal. Evitar el polvo. Nocivo para los organismos acuáticos, con efectos nocivos duraderos. Evitar su liberación al medio ambiente. Descartar o contenedor/ recipiente de acuerdo con las normas locales/regionales/nacionales o internacionales. **FR** Contient produit bioacide, BT. Peut produire une réaction allergique. Ne pulvériser pas sans équipement de protection individuelle. Éviter la poussière. Nocif pour les organismes aquatiques, entraîne des effets néfastes à long terme. Éviter le rejet dans l'environnement. Éliminer le contenu/recipient conformément à la réglementation locale, régionale, nationale et/ou internationale. **IT** Contiene prodotto bioacido, BT. Può provocare una reazione allergica. Non applicare a spruzzo senza dispositivi di protezione individuale. Evitare che si generi polvere. Nocivo per gli organismi acquatici con effetti di lunga durata. Non disperdere nell'ambiente. Smaltire il contenuto e/o il contenitore in conformità alle normative locali, regionali, nazionali e/o internazionali. **NL** Biozorgstof, BT. Kan een allergische reactie veroorzaken. Spuit niet zonder persoonlijke beschermingsmiddelen. Vermijd stof. Schadelijk voor in het water levende organismen, met langdurige gevolgen. Voorkom lozing in het milieu. Inhoud en verpakking afvoeren in overeenstemming met plaatselijke, regionale, nationale en/of internationale voorschriften. **PL** Zawiera produkt bioaktywny, BT. Może powodować wystąpienie reakcji alergicznej. Nie rozpylać bez środków ochrony osobistej. Unikaj pyłu. Działa szkodliwie na organizmy wodne, powodując długotrwałe skutki. Unikaj uwolnienia do środowiska. Utyłóż zawartość/pojemnik zgodnie ze wytycznymi obowiązującymi w przepisami lokalnymi, regionalnymi, krajowymi i/lub międzynarodowymi. **PT** Contém produto bioácido, BT. Pode provocar uma reação alérgica. Não pulverizar sem usar equipamento de proteção individual. Evitar as poeiras. Nocivo para os organismos aquáticos com efeitos duradouros. Evitar a libertação para o ambiente. Descartar o conteúdo/recipiente de acordo com as normas locais/regionais/nacionais e/ou internacionais.

**EU:** AUTHORISED REP  
COMPLIANCE LTD  
Ground Floor,  
71 Lower Baggot Street  
Dublin D02 P593,  
Republic of Ireland  
+353 15133758  
Info@arcompliance.com

**UK:** Potclays  
Etruria, Stoke-on-Trent  
United Kingdom, ST4 7BP  
(44) 01782-219816

## Section 5: Food Contact Information USA

When used according to manufacturer’s instructions Fundamentals® are considered Food Safe, defined as being capable of meeting FDA's CPG Sec. 545.400 and CPG Sec. 545.450 guidance documents, which establish limits on lead and cadmium leaching from food contact ceramicware. Studio practices play an important role in the finished product being food safe safe. Factors such as improper firing or cross-contamination with non-food safe glazes or toxic chemicals can render a product being unsuitable for use as dinnerware.

Fundamentals® are also considered dinnerware safe when covered with a transparent glaze, producing a chemically durable fired surface free of surface texture that could potentially trap bacteria. For more information on dinnerware safety, visit: [Dinnerware & Food Safety | Ceramic Dinnerware Glazes | Mayco Colors](#)

## Canada

Not evaluated for Canadian Food Contact Material regulations. Testing finished product according to local regulations is recommended.

## Europe



Not evaluated for EU or EU member state regulations. Testing finished product according to local regulations is recommended.

Finished ware producers bear responsibility for the food and dinnerware safety of their ware, including testing to verify conformance to any applicable regulations.

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### **Section 6: Other Product Information**

- No latex, milk, eggs, fish, crustacean shellfish, tree nuts, peanuts, wheat, soybeans, sesame are in the formula
- No animal products are in the formula
- Mayco finished products are not tested on animals.

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### **Section 7: ACMI Authorization**

The product is authorized by ACMI to use the AP Seal until 2027.

The Art and Creative Materials Institute, Inc. (ACMI) is an international association of more than 200 art, craft and creative material manufacturers that has a certification program in place to evaluate such products for required labeling per the federal Labeling of Hazardous Art Materials Act (LHAMA).

Products bearing ACMI's Approved Product (AP) or Cautionary Labeling (CL) Seal undergo extensive toxicological testing by board-certified toxicologists (medical experts) before being certified and authorized to bear the AP or CL Seal. The toxicologists evaluate art products for both acute hazards (i.e. skin rashes or eye irritation) and chronic hazards, or reactions that occur over longer periods of time

**Definition of the AP Seal:** The AP (Approved Product) Seal identifies art materials that are safe and that are certified in a toxicological evaluation by a board-certified toxicologist (medical expert) to contain no materials in sufficient quantities to be toxic or injurious to humans, including children, or to cause acute or chronic health problems.

These products are certified by ACMI to be labeled in accordance with the chronic hazard labeling standard, ASTM D4236, the Federal Hazardous Substances Act (FHSA) including the U.S. Labeling of Hazardous Art Materials Act (LHAMA).



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This information reflects our current level of knowledge and is intended to support consumers' health, safety, and environmental understanding. It is not intended to serve as a guarantee of any particular product's performance, suitability, or property. The above



data is accurate and based on reliable testing and expert opinions. However, this document does not serve as a warranty, and we do not assume legal responsibility for how the information is used. It is the user's responsibility to evaluate the information for their intended use and ensure compliance with all applicable local, national, and international regulations.