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- **Page 37 KHP-025-BR** Hair Color Paste - Featuring BLUE 1AL-ASG4, BTD-ASG2, K-RAY® CYAN KOBOGUARD® MQ65TMF & MST-E8
This tinted sunscreen features a combination of GCP45TV, a natural dispersion of attenuation grade TiO₂, and HBQP75FZS, a ZnO dispersion with a booster to optimize UV protection. SunBoost ATB adds anti-inflammatory, anti-irritant and anti-oxidant properties to the formulation, and TiO₂-IR300-ASG3 provides IR protection. GCB Pigmentary dispersions give a tint to this sunscreen product and ASO-I2 offers a uniform application and creamy after feel.

**Manufacturing Procedure:**
1. Pre-mix Part 2 and add to Part 1. Heat to 80°C.
2. Pre-mix Part 3 and mix until homogeneous using a propeller. Add Part 4 to Part 3 and mix while heating to 80°C.
3. Add Parts 1 and 2 to Parts 3 and 4 slowly while propeller mixing.
4. Homogenize at 7000 rpm for 5 minutes.
5. Add Part 5 and mix well with the propeller.
6. Cool to room temperature with continued propeller mixing.

**Active Ingredient(s):**
- Titanium Dioxide: 5.30%
- Zinc Oxide: 13.70%

**Testing:**
- SPF: in vivo on 3 subjects
- UVA-PF: in vivo on 3 subjects
- CW: FDA method
**Kobo WINS**

Suppliers' Day/CEW Award
FOR INNOVATION IN BEAUTY WITH:

KSL-379

4 in 1 Multi-Purpose Sunscreen Cream

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**Formulation:**

| Part 1 | Deionized Water | 55.80% |
| Part 2 | Zemea® - Du Pont & Tate: Propanediol | 2.90% |
| | Veegum® HV - R.T. Vanderbilt: Magnesium Aluminum Silicate | 0.50% |
| | Keltrol® CG - CP Kelco: Xanthan Gum | 0.10% |

| Part 3 | OMQP50XZ4 - Kobo Products: Zinc Oxide
(And) Octyldecyl Myristate
(And) Polyhydroxystearic Acid
(And) Methicone | 23.00% |
| | Protachem™ CTG - Protameen: Caprylyl/Capric Triglyceride | 3.90% |
| | Protachem™ ISP - Protameen: Isostearyl Palmitate | 3.20% |

| Part 4 | KTZ® FINE WHITE - Kobo Products:
Mica (And) Titanium Dioxide | 0.70% |
| | GCG50TS5G - Kobo Products: Iron Oxides
(And) Caprylic/Capric Triglyceride
(And) Polysorbate 80 | 0.50% |
| | GCG50TRSG - Kobo Products: Iron Oxides
(And) Caprylic/Capric Triglyceride
(And) Stearoyl Glutamic Acid | 0.15% |
| | KTZ® EBONY - Kobo Products:
Iron Oxides (CI 77499) (And) Mica | 0.05% |

| Part 5 | Lipomulse® Luxe - Lipo Chemicals: Cetearyl Alcohol
(And) Glyceryl Stearate (And) PEG-40 Stearate (And) Ceteareth - 20 | 3.30% |
| Part 6 | Xiameter® PMX-200 Silicone Fluid SCS - Dow
Dimethicone | 1.00% |

| Part 7 | Simulgel™ EG - Seppic: Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer (And) Isohexadecane
(And) Polysorbate 80 | 4.00% |
| | SymDiol® 68 - Symrise: 1,2-Hexanediol
(And) Caprylyl Glycol | 0.90% |

**Manufacturing Procedure**

1. **Main Beaker - Water Phase**
   - Pre-weight DI Water and slowly sprinkle Magnesium Aluminum Silicate, hydrate colloid for 30 minutes.
   - Pre-weight humectant in the side beaker and add Xanthan Gum, mix well
   - Add mix of humectant and Xanthan Gum into main beaker, start to heat up water phase to 80°C, mix with propeller mixer.

2. Using a High Shear blade combine Part 3 in the support beaker and mix until uniform. Add Part 4.

3. Add Part 5 to Oil Phase (Parts 3 and 4) - heat up to 80°C, mix until full color development is done.

4. Add Part 6 to Oil Phase (Parts 3, 4 and 5) just before emulsification process starts.

5. Slowly add Oil Phase (Parts 3, 4, 5 and 6) to Water Phase (Parts 1 and 2), continue mixing with High Shear blade until emulsion is formed.

6. Air cool batch to 45°C. Separately add each ingredient of Part 7 to the batch at 45°C.

7. Force cool batch down to 30°C. Stop mixing, transfer to storage containers.

**Description**

This O/W 100% mineral sunscreen formula contains Kobo’s Zinc Oxide Dispersion, OMQP50XZ4 which is a skin protector - UVA/UVB filter. It contains approximately 48% of nano Zinc Oxide (whose primary particle size is 20 nm and aggregate particle size is 171 nm) in an ester/oil carrier. **KTZ® FINE WHITE** is pearlized white colored mica, which improves natural glow and coverage on the skin. **KTZ® EBONY** is a black pearlescent pigment, containing a high concentration of Black Iron Oxide on natural mica, working to make the shade in combination with Transparent Iron Oxides, GCG50TS5G and GCG50TRSG.

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**Technical Literature ref NYSCC-FormDisplay-002A - May 20, 2019**
Mousse Sunscreen with NHP dispersions

**Description:**
This mousse and creamy sunscreen formula glides onto the skin with minimal whitening. Kobo’s attenuation grade NHP dispersions provide SPF and UVA protection. CXG-1104, a silicone elastomer, contributes to the texture and enhances slip and spreadability. KOBOGUARD® MQ60DM, a silicone-based film former, improves wear and water resistance. AQUA KEEP 10SH-NFC gels the aqueous phase and offers stability to the formula. MSS-500W enhances the feel and provides a soft focus effect.

**Manufacturing Procedure:**
2. Combine Part 2 and homogenize at room temperature.
3. Slowly add Part 1 to Part 2 under the homogenizer.
4. Switch to prop mix and add Part 3 to the main beaker. Heat to 75°C. Keep tightly covered.
5. Add Part 4 at 75°C.
6. Combine Part 5 under prop mix and heat to 70°C.
7. Slowly add Part 5 to main beaker when both phases are at 70°C.
8. Slowly add Part 6 and mix on high speed until batch is cool.

**Active Ingredient(s):**
- Zinc Oxide: 17.10%
- Titanium Dioxide: 6.84%

**Testing:**
- SPF: in vivo on 3 subjects
- UVA-PF: in vivo on 3 subjects
- CW: FDA method
**Description:**
This full coverage foundation features Kobo’s PMLVP Dispersions, which offer full color development, better stability and contribute to the fast and uniform set up of the formula on the face. T.I.O, an ester with excellent oxidative and hydrolysis stability, offers a pleasant skin feel. COSMOL™ 182V is a non-ionic emulsifier that contributes to product stability. KOBOGUARD® MQ75ETS improves adhesion of the formula onto the skin, helps with rub-resistance and improves formula wear. MST-E8 is a spherical elastomer that imparts a luxurious, creamy texture. MSS-500/3H enhances the elegant natural-looking mattifying effect and contributes to soft focus.

**Manufacturing Procedure:**
1. Combine Part 1 under prop mix.
2. Combine Part 2 and mix until homogeneous.
4. Add Part 3 and mix until homogeneous.

---

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100.00
KLF-245-EU
Long Wear Liquid Foundation

1. Add Part 2 to main vessel and mix until pigments are fully dispersed.
2. Pre-mix Part 1, adding KOBOGUARD® 50AMP last after all other ingredients are homogeneously mixed. Adjust pH to 7 using citric acid or NaOH solutions (10%).
3. Add Part 1 slowly to Part 2 while mixing.

**Part 1**

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**Description:**

This long-wear liquid foundation combines film formers for both water and oil phases that will improve transfer and water resistance: KOBOGUARD® 50AMP (for water phase) and KOBOGUARD® 5400 IDD (for oil phase). FADM pigmented dispersions offer full color development and ease the manufacturing process allowing high pigment loading in formulations. CPF-3300@10cSt is a low viscosity phenyl trimethicone that improves spreadability with a light weight feel. CARESS® BN02 is a small particle size boron nitride that improves application with a luxurious feel. MSS-500/3H is an oil absorbing silica that gives oil control and matte effect.

**Manufacturing Procedure:**

1. Add Part 2 to main vessel and mix until pigments are fully dispersed.
2. Pre-mix Part 1, adding KOBOGUARD® 50AMP last after all other ingredients are homogeneously mixed. Adjust pH to 7 using citric acid or NaOH solutions (10%).
3. Add Part 1 slowly to Part 2 while mixing.

June, 2018
1. Combine Part 1 and homogenize until color is fully developed.
2. Combine Part 2 and heat to 85°C. Cool to room temperature.
3. Add Part 1 to Part 2 and homogenize.
4. Slowly add Part 3 to the main beaker while homogenizing.

This liquid foundation provides full coverage and is suitable for every skin type (normal to dry and oily skin) due to the balanced amount of ASO-I2 and SunBoost ATB. This Dune shade (made for olive skin tones) W/Si foundation features Kobo’s 11S treated pigments, that are compatible to the formula system and give uniform payoff and spreadability. ASO-I2, a starch treated with ITT provides a creamy feel to the skin and absorbs sweat and excess sebum. SunBoost ATB, a proprietary ratio of anti-oxidant, anti-irritant and anti-inflammatory agents, conditions and nourishes the skin. KOBOGUARD® MQ60DM is used to improve the wear of the foundation. Gs-AHP aids in protection and stability of the entrapped active during the formulation process and provides anti-aging benefits.

Manufacturing Procedure:
1. Combine Part 1 and homogenize until color is fully developed.
2. Combine Part 2 and heat to 85°C. Cool to room temperature.
3. Add Part 1 to Part 2 and homogenize.
4. Slowly add Part 3 to the main beaker while homogenizing.

### Part 1

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### Manufacturing Procedure:
1. Combine Part 1 and heat to 80-85°C.
2. Add Part 2 and mix until homogeneous.
3. Cool to 60°C and add Part 3.
4. Add Part 4 and cool to 25°C under stirring.

### Description:
This 2-in-1 formula, suitable for lip and cheek application, provides a cushiony-soft texture and semi-matte finish. It features a combination of Ikeda's esters (T.I.O., SALACOS® 5418V, SALACOS® WO-6) and Avantor's silicones (CPF-3300@10cSt, CXG-1101 and CSF-3504) ranging from low to high viscosity. This combination imparts spreadability and comfort upon application. INBP are pigmentary dispersions in Isononyl Isononanoate that provide a fully developed wide range of colors. PM WAX 82, a combination of waxes, helps with the structure of the formulation in association with NOMCORT® HK-G, an oil phase gellant, that also helps to improve formula stability. For adhesion and substantivity of the formula to the skin, film former KOBOGUARD® MQ65TMF is used. Boron Nitride, CARESS® BN12 has a translucent appearance and provides a very soft and silky touch to the lips and cheeks. MSS-500W gives slip during application and soft focus.

### INGREDIENTS

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Setting Powder with KOBOPEARL® EF-8

**Manufacturing Procedure:**

1. Combine Part 1 and blend until uniform.
2. Add Part 2 to Part 1 and blend until uniform.

**Description:**

This light weight Natural Setting Powder has a translucent finish and sets makeup without looking chalky or dry. It features Kobo’s ASG treated pigments and filler, which have a natural amino acid coating to provide a creamy feel and good skin adhesion. SILICA SHELLS is a high oil absorption Silica that helps to absorb excess facial oils. SunBoost ATB Natural is a proprietary ratio of three skin conditioning agents that contributes additional benefits. KOBOPEARL® EF-8 adds a blurring effect and highlighting properties to the loose powder formulation.

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Natural Post-Workout Neutralizing Powder

**Description:**
This natural post-workout loose powder features Kobo's ASG treated filler, GMS-ASG3. The natural ASG treatment enhances skin affinity while providing a creamy touch. BYO-ASG3 provides a yellow tint to the formulation to neutralize skin redness after an intense workout. FLORITE PS-10 has a high oil absorption to soak up perspiration. SunBoost ATB Natural contains antioxidant, anti-irritant and anti-inflammatory agents, which nourish the skin and help reduce post-workout skin inflammation.

**Manufacturing Procedure:**
1. Combine Part 1 and blend until uniform.
2. Add Part 2 to Part 1 and blend until uniform.

---

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Part 2

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100.00
## Manufacturing Procedure:

1. Combine Part 1 in blender. Blend until color is fully developed.
2. Combine Part 2 and mix well.
3. Add Part 2 to Part 1 and blend until uniform.
4. Press at 700 psi.

---

### Description:

This pressed powder features Kobo’s TTB-Treated Pigments to show how they enhance formula wear. This treatment is both hydrophobic and lipophilic. Boron Nitride, CARESS® BN09, enhances the formula with increased slip and a creamy feel. It imparts superior softness and tactility, superb spreadability, excellent adherence, and good coverage. MSS-500W gives slip and a great creamy feel. ZINC MYRISTATE also contributes to great feel, adherence on the skin, and acts as part of the formula’s dry binder system. KTZ® FINE WHITE imparts sheen for natural glow.

### Ingredients:

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**Total:** 100.00%
KPP-106
Talc-Free Pressed Powder

1. Add Part 1 and micropulverize until color is fully developed.
2. Sift Part 1 through small mesh sieve and add back to blender.
3. In a side beaker, Add Part 2 and mix until uniform.
4. Slowly add Part 2 and blend until fully uniform.
5. Sift using larger sieve.
6. Press at 600psi.

This Talc-Free Pressed Powder features both Sericite GMS-4C and KoboMica S-25 to give the formula a smooth, soft feel and a little bit of sheen on the skin. 11S Treated pigments add to the nice, smooth feel of the powder when applied. Microsphere, MSS-500/20N, adds soft focus to the formula and contributes to the feel. CARESS® BN09, Boron Nitride, gives superior softness and tactility, superb spreadability, excellent adherence, long lasting effect, and good coverage. MAGNESIUM MYRISTATE is a dry binder that helps with compressibility.

Notes:
Small Mesh Sieve: 0.0059 in mesh; Large Sieve: 1.25mm
## KPP-115
Poreless Pressed Powder with GWC-051H

### Manufacturing Procedure:
1. Combine Part 1 in blender. Blend until color is fully developed.
2. Combine Part 2 and mix well.
3. Add Part 2 to Part 1 and blend well.
4. Press at 400 psi.

### Description:
This silky and creamy-to-touch pressed powder contains Kobo’s 11SP treated pigments (BTD-11SP, BWYO-11SP, BWRO-11SP, BWBO-11SP) and fillers (GMS-11SP, TALC N-11SP). By using the combination of 11SP and Dimethicone as liquid binder, this powder is easy to press at low pressure. Kobo’s dry binder ZINC MYRISTATE helps control pressing without dusting and glazing. GWC-051H - soft focus spherical elastomer powder (Vinyl Dimethicone/Methicone Silsesquioxane Crosspolymer) contributes to the luxurious, light-as-air texture. This formula can be used as a translucent powder if applied as one layer, or as a powder with smooth buildable coverage.

### Parts

#### Part 1

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100.00
Pressed Powder with GWC-060G

1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1 and blend until uniform.
3. Press at 1300 psi.

This velvety, soft-to-the-touch pressed powder instantly diffuses imperfections, leaving skin with natural-looking radiance and coverage. It features Kobo's ASG treated materials in combination with GWC-060G to impart a creamy feel to the formula, improve product payoff and provide adherence to skin. ZINC MYRISTATE is a dry binder that also contributes to great feel and adherence on the skin.

**Manufacturing Procedure:**
1. Micropulverize Part 1 until color is fully developed.
2. Add Part 2 to Part 1 and blend until uniform.
3. Press at 1300 psi.

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KMU-029A Natural Eyebrow Powder - Brown

Description:
This natural, dark brown brow powder seamlessly fills in sparse areas on eyebrows for a natural-appearing, fuller look. Kobo's NJE treated pigments and filler provide the dark brown shade and help the formula adhere to brows. MSS-500/20N enhances payoff and improves feel. MAGNESIUM MYRISTATE helps with pressability. SunBoost ATB Natural acts as the sole liquid binder while also providing conditioning properties to brows.

Manufacturing Procedure:
1. Combine Part 1 and blend until uniform.
2. Slowly add Part 2 to Part 1 and blend until uniform.
3. Press at 700psi.

Notes:
This formula may contain less than 5% of ingredients not listed on the NPA positive list.

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### Manufacturing Procedure:

1. For Part 1, premix Natrosol® 250 HHR CS with Glycerin and add this to water under propeller agitation. Heat to 90°C.
2. Begin cooling Part 1 while mixing to form a gel.
3. Add Part 2 to Part 1 at 40°C and mix until uniform.
4. Add Part 3 and continue to mix.
5. Slowly add Part 4 and mix until uniform.

### Description:

This eyeliner features KOBOGUARD® 50AMP which forms an easy to apply, long-lasting, shiny and waterproof or water-resistant film. WBG55BNFSP is a black iron oxide paste which gives a high intensity, bluish-black color in comparison to other black iron oxides. SESQ-MH5 is a hydrophilic polymer microsphere which helps provide a smooth, precise line and uniform application.

### Manufacturing Procedure:

1. For Part 1, premix Natrosol® 250 HHR CS with Glycerin and add this to water under propeller agitation. Heat to 90°C.
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2. Begin cooling Part 1 while mixing to form a gel.
3. Add Part 2 to Part 1 at 40°C and mix until uniform.
4. Add Part 3 and continue to mix.
5. Slowly add Part 4 and mix until uniform.
1. Add Part 1 ingredients and heat to 80°C until completely melted.
2. Add Part 2 and mix well at low speed to avoid air incorporation.
3. Add Part 3 and mix well at low speed to avoid air incorporation.
4. Pour the bulk into components.
5. Refrigerate for 10 minutes.

Description:
This Glitter Eyeliner features K-RAY® SM LAVA SAND, a large particle size effect pigment composed of a synthetic mica substrate, that imparts sparkle effect, in combination with K-RAY® RED GOLD for cover and sheen. VEGETABLE WAX-SS1 (Non-GMO) is used to structure the formulation and NOMCORT® HK-G, an oil phase gellant, helps to improve formula stability. T.I.O. is an emollient with excellent lubricity. For adhesion and substantivity of the formula to the skin, water-resistance and rub-resistance, the blend of film formers KOBOGUARD® 5400 IDD and KOBOGUARD® MQ75ETS were used.

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1. Add Part 1 ingredients and heat to 80°C until completely melted.
2. Add Part 2 and mix well at low speed to avoid air incorporation.
3. Add Part 3 and mix well at low speed to avoid air incorporation.
4. Pour the bulk into components.
5. Refrigerate for 10 minutes.
Felt Tip Liquid Eye Liner with WSJ10CB-NP

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Part 1

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Part 2

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Part 3

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100.00

Description:

This Felt Tip Liquid Eye Liner features Kobo’s Carbon Black dispersion, WSJ10CB-NP. This blackest black dispersion creates a deep, intense, black color and adds film-forming properties. Exilva FM 02-V exhibits the unique property of thinning under shear (package contains shaking ball), so product can be mixed easily and then return to its original gel-like state for precise, non-skipping line application.

Manufacturing Procedure:

1. Homogenize Part 1 until fully dispersed.
2. Add Part 2 to Part 1 until uniform.
3. Add Part 3 to Batch until homogeneous.
4. Add Part 4 to batch until uniform.
**Natural Liquid Eyeliner**

**Manufacturing Procedure:**

1. Heat Part 1 to 85°C in a side beaker, while mixing with a spatula.
2. Prepare grind in a side beaker. Pre-mix Keltrol® CG with Zemea® and add DI Water. Prop mix for 5 minutes, then add Black NF. Homogenize grind phase until pigment is fully dispersed.
3. Start making water phase, Part 3 in the main beaker. Combine DI Water with Plantaren® 1200 N UP and Natpure® Film AP. Start heating to 80°C-85°C under prop mixer.
4. Add Part 2 (grind phase) to the main beaker (water phase).
5. Start adding microspheres in Part 4 to the main batch.
6. Heat up Part 1 to 90°C
7. Once water phase Parts 2, 3 and 4 and oil/wax phase Part 1 reach 85°C, start to emulsify by adding Parts 2, 3 and 4 to Part 1. Emulsify under prop mixer for 5 minutes. After emulsification, turn off heat and continue mixing for 10 minutes.
8. Add Part 5 to the main beaker during cooling process.
9. Add Part 6 to the main batch at room temperature. Add back DI Water missing from evaporation to come out with 100% formula.

**Description:**

This all-natural liquid eyeliner features BLACK NF, which gives a deep black color to the product. The combination of KoboMica S-25, CELL-U-LASH™, and MSS-500W provides thickness and body and contributes to a precise non-skipping line.

**Ingredient Table:**

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100.00
Antique Gold Eyeshadow

Manufacturing Procedure:

2. Add Part 2 to Part 1, and heat the batch to 90°C under prop mix.
3. Once the waxes are all melted, add Part 3 and continue prop mix for 5 min.
4. Add Part 4 to main batch under prop until the batch looks uniform.
5. Pour into eye shadow pans @80°C.

Description:

Transparent Yellow Iron Oxide Dispersion GCG50TYSG adds a natural-looking true color to the formulation. MST-547 enhances product payoff. CARESS® BN09 is a small particle size Boron Nitride, which used for superior softness and tactility, superb spreadability, excellent adherence to skin and coverage improvement. SILICA SHELLS-SH helps optimize dry time and prevents creasing on eye lids. The combination of KTZ® EBONY, ARUBAN CORAL and MOSS gives the formula unique pearlescent effect.

Table:

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<th>%</th>
<th>INGREDIENT</th>
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## Description:
This High Shimmer Eyeshadow formula features Kobo’s Fluoro Silane treated pigment BWBO-FS, natural MICA S-FS, Microspheres MSS-500N-FS and MST-547-FS and Filler TALC N-FS. The FS treatment exhibits both water and oil repellency while promoting adherence to the eye lids for long, crease-free wear. The formula exhibits smooth, blendable properties and rich, intense, universally flattering stay-true color, perfect for sculping, shading and defining. Kobo’s combination of MAGNESIUM MYRISTATE and ZINC MYRISTATE works as an anti-caking additive or processing aid, that prevents powders from forming clumps, and as a slip modifier, which helps other powder ingredients to flow more easily and more smoothly. Kobo’s CARESS® BN06 Boron Nitride provides superior softness, spreadability and excellent adherence to the skin. KTZ® SM BRASSY BRONZE gives a unique, intense, shimmery bronze color to the formula.

## Manufacturing Procedure:
1. Blend Part 1 until color is fully developed.
2. Add Part 2 and blend on High speed, 8 intervals.
3. Add Part 3 and blend on low speed, 12 intervals.
4. Press at 1600 psi.

Note: blend for 10 second intervals then scrape/mix and repeat as indicated.

### Manufacturing Procedure:

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Description:
This Ultra Metallic Finish Eye Shadow features Exilva FM 02-L, a water-based natural thickener and stabilizer. KTZ® SM CRYSTAL WHITE imparts color and a metallic-like visual effect. KOBOGUARD® 50AMP is used to produce a long-wearing film and provide water resistance. MAKIMOUSSE 12 provides controlled moisture release during application while also giving the product a mousse-like, velvety texture.

Manufacturing Procedure:
2. Add Part 2 to Part 1 while mixing.
3. Add Part 3 slowly.
4. Add Part 4 and mix until homogeneous.
KMA-076E
All-In-One Tube Mascara with KOBOGUARD® 50AMP

**Manufacturing Procedure:**

1. **Oil Phase:**
   1. Heat Part 1 (all but dimethicone) to 85-90°C with slow agitation with spatula.
   2. Once at 75°C, add dimethicone.

2. **Water Phase (Main Beaker):**
   1. Record tare weight of main beaker and sweep.
   2. Add water to the main beaker. Begin heating to 60°C with prop mixing. Maintain temperature.
   3. Add Trisodium EDTA and Potassium Sorbate. Mix until fully dissolved. Begin heating to 85°C.
   4. Pre-mix Butylene Glycol, Natrosol® and AQUA KEEP with spatula. Add mix to the main beaker. Mix until uniform and clear.
   5. Add AMP Ultra, mix for 10 minutes.
   6. Add Simethicone. Mix 5 mins.
   7. Add MSS-500W and SERICITE. Emulsification and cool down:
      1. Add Oil phase into water phase, maintain mixing and temperature around 85°C for 15 minutes.
      2. Begin to air cool.
      3. Change prop to sweep when the bulk becomes thicker.
      4. Add film former to the batch at 45°C, followed by dispersions, and then Euxyl®.
      5. Add back correct amount of Water.
      6. Air cool and mix until bulk reaches 28°C, stop mixing.

**Description:**

This mascara's ability to form individual "tubes" around the eyelashes is due to the high concentration of KOBOGUARD® 50AMP. The mascara gives an oversized look to each individual lash upon application. Kobo's black iron oxide dispersion, WSJ20EBAMP-O, and carbon black dispersion, WSJ10CB-NP, provide the deep black color and film forming properties. PLANDOOL™-G helps the mascara glide smoothly onto the lashes. AQUA KEEP 10SH-NFC gets the aqueous phase of the formula. The combination of MSS-500W and SERICITE GMS-4C provides bulking properties to the formula and adds volume to the lashes.

**Manufacturing Procedure:**

1. Oil Phase:
   1. Heat Part 1 (all but dimethicone) to 85-90°C with slow agitation with spatula.
   2. Once at 75°C, add dimethicone.

2. Water Phase (Main Beaker):
   1. Record tare weight of main beaker and sweep.
   2. Add water to the main beaker. Begin heating to 60°C with prop mixing. Maintain temperature.
   3. Add Trisodium EDTA and Potassium Sorbate. Mix until fully dissolved. Begin heating to 85°C.
   4. Pre-mix Butylene Glycol, Natrosol® and AQUA KEEP with spatula. Add mix to the main beaker. Mix until uniform and clear.
   5. Add AMP Ultra, mix for 10 minutes.
   6. Add Simethicone. Mix 5 mins.
   7. Add MSS-500W and SERICITE. Emulsification and cool down:
      1. Add Oil phase into water phase, maintain mixing and temperature around 85°C for 15 minutes.
      2. Begin to air cool.
      3. Change prop to sweep when the bulk becomes thicker.
      4. Add film former to the batch at 45°C, followed by dispersions, and then Euxyl®.
      5. Add back correct amount of Water.
      6. Air cool and mix until bulk reaches 28°C, stop mixing.
# Waterproof Mascara

| Part 1 | 21.80 | Permethyl® 99A | Isododecane | Presperse |
|        | 3.00  | Ganex™ V-216   | PVP/Hexadecene Copolymer | Ashland |
|        | 2.00  | KF-995         | Cyclopentasiloxane | Shin-Etsu |
|        | 1.50  | Ganex™ V-220   | PVP (and) VP/Eicosene Copolymer | Ashland |
|        | 1.00  | Protachem CTG  | Caprylic/Capric Triglyceride | Protameen |
|        | 0.80  | Eutanol® G     | Octylidodecanol | BASF |

| Part 2 | 10.00 | Paraffin Wax 434 | Paraffin | Strahl & Pittsch |
|        | 3.00  | Beeswax White Sp 422P | Beeswax | Strahl & Pittsch |
|        | 2.50  | Carnauba Wax SP 63P | Copernicia Cerifera (Carnauba) Wax | Strahl & Pittsch |

| Part 3 | 10.00 | Bentone Gel® ISD V | Isododecane (And) Diesteardimonium Hectorite (And) Propylene Carbonate | Elementis Specialties |
|        | 3.00  | Lexorez® 200 | Trimethylpentanediol/Adipic Acid/Glycerin Crosspolymer | Inolex |
|        | 2.00  | KOBOGUARD® MQ75ETS | Trimethylsiloxysilicate (And) Ethyl Trisiloxane | Kobo Products |
|        | 2.00  | Panalane® H-300E | Hydrogenated Polysiloxane | Vantage |

| Part 4 | 20.00 | PMLVP75B | Iron Oxides (CI 77499) (And) Isododecane (And) Isohexadecane (And) Lecithin (And) Polyhydroxystearic Acid (And) Ethylene/Propylene/Sterene Copolymer (And) Butylene/Ethylene/Sterene Copolymer (And) Isopropyl Titanum Triisostearate | Kobo Products |

| Part 5 | 10.00 | Deionized Water | Water | Jeen International |
|        | 0.20  | Potassium Sorbate | Potassium Sorbate | Jeen International |

| Part 6 | 0.50  | Salcare® SC10 | POLYQUATERNIUM-7 | BASF |

| Part 7 | 0.70  | Phenoxetol® | Phenoxyethanol | Clariant |
|        | 0.50  | Lexgard® O | Caprylyl Glycol | Inolex |

| Part 8 | 2.00  | MSS-500/3H | Silica | Kobo Products |
|        | 2.00  | MICA S-12 | Mica (And) Isopropyl Titanum Triisostearate | Kobo Products |
|        | 1.00  | DSPCS/3H-12 | Silica (And) Ethylene/Methacrylate Copolymer (And) Isopropyl Titanum Triisostearate | Kobo Products |
|        | 0.50  | BPA-500 | Polymethyl Methacrylate | Kobo Products |

100.00
Global Conventional Mascara

**Manufacturing Procedure:**

**Oil Phase:**
2. Heat to 85-90°C with slow agitation.

**Grind Phase:**
2. Add water to beaker. Prop mix and heat to 60°C.
3. Add PVP, followed by Isostearyl Alcohol, Caprylyl Glycol, and Simethicone.
4. Sprinkle Black NF into the vortex. Mix until pigment is wet out.
5. Transfer to homogenizer for 30 minutes.

**Water Phase:**
6. Record tare weight of main beaker and sweep.
7. Add Water to the main beaker. Begin heating to 60°C with prop mixing.
8. Add PVP, followed by Isostearic Alcohol, Caprylyl Glycol, and Simethicone.
9. Sprinkle Black NF into the vortex. Mix until pigment is wet out.
10. Transfer to homogenizer for 30 minutes.

**Description:**

This conventional mascara features Kobo’s KNY-3D fibers for lengthening and volumizing effects when applied to the lashes. KOBOGUARD® HRPC provides a plasticizing effect to the wax complex, and allows the mascara to be buildable upon application. KOBOGUARD® 50AMP contributes to water-resistant properties. BLACK NF provides deep black color to the mascara. The combination of KoboMica S-25 and MSS-500W provides thickness and body, while contributing to volume on the lashes.

---

**Manufacturing Procedure:**

**Oil Phase:**
2. Heat to 85-90°C with slow agitation.

**Grind Phase:**
2. Add water to beaker. Prop mix and heat to 60°C.
3. Add PVP, followed by Isostearyl Alcohol, Caprylyl Glycol, and Simethicone.
4. Sprinkle Black NF into the vortex. Mix until pigment is wet out.
5. Transfer to homogenizer for 30 minutes.

**Water Phase:**
6. Record tare weight of main beaker and sweep.
7. Add Water to the main beaker. Begin heating to 60°C with prop mixing.
8. Add PVP, followed by Isostearic Alcohol, Caprylyl Glycol, and Simethicone.
9. Sprinkle Black NF into the vortex. Mix until pigment is wet out.
10. Transfer to homogenizer for 30 minutes.

---

**Product:**

**Description:**

This conventional mascara features Kobo’s KNY-3D fibers for lengthening and volumizing effects when applied to the lashes. KOBOGUARD® HRPC provides a plasticizing effect to the wax complex, and allows the mascara to be buildable upon application. KOBOGUARD® 50AMP contributes to water-resistant properties. BLACK NF provides deep black color to the mascara. The combination of KoboMica S-25 and MSS-500W provides thickness and body, while contributing to volume on the lashes.
# Butter Lipstick with OD Dispersions

**Description:**
This Lipstick contains Kobo’s OD Pigmentary dispersions, made with patented, NJE, Natural Jojoba Ester surface treated pigments. The dispersions impart a soft and creamy texture to the lipstick.

**Manufacturing Procedure:**
1. Combine all of Part 1 ingredients and prop mix at 80°C until homogenous.
2. Pour into mold at @65°C.

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100.00
## KLP-149-BR Velvet Matte Lipstick

### Manufacturing Procedure:
1. Add Part 1, heat to 80°C and mix until waxes are completely melted.
2. Add Part 2 and mix.
3. Pre-mix Part 3, add to Parts 1 and 2, and mix.

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### Description:
This velvet matte lipstick features a combination of microspheres DAIMICBEAZ CM-1077 and MSS-500/3H that offer matte effect with smooth application. CARESS® BN30 is a boron nitride that improves wear and gives a velvet finish. COSMOL™ 222 and COSMOL™ .43V help disperse the pigments and have great oxidative stability, and COSMOL™ 168ARV and SALACOS® 334 help the adhesion and moisturization. INBP Pigmentary Dispersions can ease the manufacturing process and give a more vivid color. CPF-3300@10cSt is a low viscosity phenyl trimethicone that improves feel and application. PM WAX 82 contributes to formula structure. KOBOGUARD® 5400 IDD is a film former that offers long wear and water resistance.
### Comfort Wear Transfer Resistant Lipstick

#### Manufacturing Procedure:

1. In main beaker add Part 1 and heat to 85°C, keep tightly covered through whole compounding time. Continue to prop mix until everything is in solution.
2. Lower temperature to 75°C. Slowly add Part 2 and mix until uniform.
3. Maintain the same temperature, slowly add Part 3.
5. Direct fill into air tight direct fill lipstick component at 70-75°C.

#### INGREDIENTS

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This intense color Poppy Red Cushion Lip Powder formula contains RED 7CA E-FS08 - FD&C Red 7 Ca Lk with Kobo's Perfluorooctyl Triethoxysilane Treatment. The treatment exhibits both water and oil repellency while promoting good skin adherence and improving wear properties. DSPCS/20N-I2 gives a light weight feel and imparts a powdery mattifying finish.

Manufacturing Procedure:
1. Combine Part 1 at 75°C under homomixer. Mix well until uniform.
2. Cool batch to 45°C and slowly sprinkle in Part 2 while homogenizing. Stop mixing after the whole amount of Part 2 is added.
**Everlasting Liquid Lipstick with KOBOGUARD® MQ65TMF**

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**Description:**

This Ever Lasting Liquid Lipstick features KOBOGUARD® MQ65TMF, a flexible film former solubilized in Methyl Trimethicone. This material offers flexibility, comfort, breathability through application, good wear and water resistance. Kobo’s 11S treatment helps to provide this formula with adhesion to the lips and gives a creamy feel. KTZ® CRIMSON compliments pigments with a nice pinkish tint and shimmer. CPF-3300@10cSt is an emollient silicone with low viscosity which adds light feel and spreadability during application.

**Manufacturing Procedure:**

1. Combine Part 1 and heat to 80°C with prop mix.
3. Add Part 3 to batch under prop mix.
4. Side sweep batch and cool to 30°C.
### Manufacturing Procedure:

2. Add Part 2 to Part 1 and homogenize until uniform.
3. Slowly add Part 3 and heat to 80°C while prop mixing until uniform.
4. Side sweep cool down to 30°C.
This lipstick features Kobo’s INBP Pigmentary Dispersions which ease the manufacturing process and give a uniformly developed background color. PM WAX 82 provides structure to the stick. Plandool™-H is the primary emollient and moisture-protecting agent. Kobo’s SILCRUSTA MK03 is a composite microsphere with PMSQ that adds smoothness and optical blurring to fine lines and wrinkles on lips. KTZ® EXTRAFINE SUNGLOW offers a unique pearlescent and metallic effect to the formulation.

**Manufacturing Procedure:**
1. Homogenize Part 1 until color is fully developed.
2. Switch to high shear prop mix and add Part 2 to Part 1. Heat to 80°C.
3. Micropulverize Part 3 - slowly add to batch until homogeneous.
4. Pour into molds at 80°C.

---

**Part 1**

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100.00
Manufacturing Procedure:

1. Combine Part 1 under propeller mixing and heat to 80°C-85°C.
2. Add Part 2 to Part 1 and mix until homogeneous.
3. Pour into molds at 78°C - 80°C.

Description:

This high impact lipstick contains Kobo’s INWP Pigmentary Dispersions which disperse easily into lipstick bases and help to achieve a high impact of color in formulations. MSS-500/3H enhances payoff and prevents the formula from sweating. KOBOGUARD® 5400 CCT gives gloss to the formula and improves long wear properties.
1. Add Part 2 ingredients one by one, starting with liquid/gels followed by powders, adding them slowly to allow incorporation. Mix well with a propeller until homogeneous.

2. Pre-mix Part 1 and add to Part 2 slowly while mixing at high speed.

**Description:**
This SOS Skin Repair cream features KoboBlur™ 100 Natural, a powder complex with the capacity to hide skin imperfections while offering nice, smooth skin feel. MSS-500/3H is a high oil absorption, silica microsphere that gives a matte effect. CARESS® BN02 is a small particle size Boron Nitride that improves application and after feel. Cn-HAHWS is a corneosphere that provides skin moisturization. INBP75ER is a pigmented dispersion that adds a light pink shade to the formulation.

**Manufacturing Procedure:**
1. Add Part 2 ingredients one by one, starting with liquid/gels followed by powders, adding them slowly to allow incorporation. Mix well with a propeller until homogeneous.
2. Pre-mix Part 1 and add to Part 2 slowly while mixing at high speed.
KFL-168D  
C and A Souffle

1. In the main vessel, premix Part 1 with fast speed propeller mixing. Make sure phase is smooth and uniform.
2. Add Part 2 to Part 1 with fast speed mixing. Fast speed mix for at least one hour until there are no particulates evident.
3. Sprinkle Part 3 into batch with moderate speed propeller mixing. Mix until all is smooth and uniform.
4. In a side kettle, mix together Part 4 with moderate speed propeller mixing. Mix well until all ingredients are dissolved and phase is uniform.
5. Pre-mix Part 5 until phase is all dissolved. Add to Part 4 and mix well.
6. With medium speed propeller mixing, SLOWLY add Parts 4 and 5 into Parts 1, 2 and 3.
7. When all of the water phase is added, add Part 6, one at a time, with medium speed mixing.
8. Fast propeller mix batch until optimum viscosity is achieved. (Viscosity at least 30,000 cps TB @ 5 rpm)

### Description:

This light gel cream has a soft souffle texture. Ethyl Ascorbic Acid (NON-QD) is the product's primary active ingredient (stable form of vitamin C) that helps lighten and brighten skin. Gs-VA100C is Kobo’s encapsulated technology that protects and delivers retinol. (a form of vitamin A). CPF-3300@10cSt provides product slip during application. KTZ® CELANDON GOLD provides the product’s subtle orange color. MSS-500 gives the product a translucent effect while also offering a silky skin feel.

### Manufacturing Procedure:

1. In the main vessel, premix Part 1 with fast speed propeller mixing. Make sure phase is smooth and uniform.
2. Add Part 2 to Part 1 with fast speed propeller mixing. Fast speed mix for at least one hour until there are no particulates evident.
3. Sprinkle Part 3 into batch with moderate speed propeller mixing. Mix until all is smooth and uniform.
4. In a side kettle, mix together Part 4 with moderate speed propeller mixing. Mix well until all ingredients are dissolved and phase is uniform.
5. Pre-mix Part 5 until phase is all dissolved. Add to Part 4 and mix well.
6. With medium speed propeller mixing, SLOWLY add Parts 4 and 5 into Parts 1, 2 and 3.
7. When all of the water phase is added, add Part 6, one at a time, with medium speed mixing.
8. Fast propeller mix batch until optimum viscosity is achieved. (Viscosity at least 30,000 cps TB @ 5 rpm)
### Description:

This Mask features **KoboScrub™ SD-200**, a natural scrubbing bead, which imparts exfoliation to the skin and **CHARCOAL POWDER**, a natural and highly porous powder, which absorbs impurities from the skin. Skin moisturizing ingredients are Kobo’s Glycosphere Cn-HAHWS, with encapsulated Sodium Hyaluronate, and SunBoost ATB which imparts excellent skin conditioning properties and emolliency, while soothing skin due to its Bisabolol and Vitamin E content.

### Manufacturing Procedure:

2. Add Part 2, mix until homogeneous and heat to 75-80°C.
3. Combine Part 3 and heat to 75-80°C.
4. Add Part 3 to Parts 1 and 2 and mix until homogeneous.
6. Mix until homogeneous.
7. Add Part 5 and mix until homogeneous.
8. Add Part 6 and mix until homogeneous.

### INGREDIENTS TABLE

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**November, 2018**
Neutralizing Creamstick with KTZ® EXTRAFINE SUNGLOW

**Manufacturing Procedure:**

1. Combine ingredients in Part 1 and heat to 85°C.
2. Add Part 2 to Part 1 and mix until color is uniform.
3. Slowly add Part 3 to main beaker.
4. Slowly add Part 4 and mix until uniform.
5. Pour into components at 85°C.

**Description:**

This soft cream face foundation in stick form is good for emergency touch ups on the face. The formula features Kobo's SW dispersions which help to impart a skin-neutralizing, flawless, background color to the stick. HL7M5, a fumed silica gellant in Hydrogenated Polyisobutene, aids in emolliency. PM WAX 82 gives structure to the stick. The microspheres, MSS-500W and BPA-500, improve pay off and enhance skin feel. KTZ® EXTRAFINE SUNGLOW provides a soft, orange hue.

### Part 1

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100.00
1. Combine Part 1 under propeller mixing and heat to 60-65°C.
2. Combine Part 2 and prop mix until complete dispersal of the pigments. Heat 70-75°C.
3. Cool Part 2 to 60-65°C, then add Part 3.
4. Add Part 1 to Parts 2 and 3 and mix until homogeneous.
5. Cool the emulsion to 45°C.
6. Slowly add Part 4 and mix until homogeneous.

**Description:**
This Hair Color Paste has a combination of BLUE 1AL-ASG4, BTD-ASG2 and K-RAY® CYAN to make the blue shade. ASG treated pigments are composed of an amino acid (INCI name: Stearoyl Glutamic Acid) that imparts hydrophobicity. Exilva FM 02-V is a natural, cellulose-based performance enhancer that helps with formula stability and allows significant reduction of combing force in hair. COSMOL™ 182V is a hydrophobic emulsifier that contributes to product stability. MST-E8 is a spherical elastomer that gives a pleasant sensorial experience upon application. KOOBOGUARD® MQ65TMF is a water-insoluble resin that improves product wear.

**Manufacturing Procedure:**
1. Combine Part 1 under propeller mixing and heat to 60-65°C.
2. Combine Part 2 and prop mix until complete dispersal of the pigments. Heat 70-75°C.
3. Cool Part 2 to 60-65°C, then add Part 3.
4. Add Part 1 to Parts 2 and 3 and mix until homogeneous.
5. Cool the emulsion to 45°C.
6. Slowly add Part 4 and mix until homogeneous.
# Index of Kobo Raw Materials

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