Spa Moisturizing Cream
(Presperse)

A. Water (aqua) 59.70%
Glycerin 3.00%
Phenoxyethanol (and) caprylyl glycol (and) ethylhexylglycerin (and) hexylene glycol (Botanistat PF-64, Botanigenics) 1.00%
Disodium EDTA (Dissolvent NA2S, Akzo Nobel) 0.10%
Carborner, 2% solution (Carbopol 2001, Noveon) 15.00%
B. C_{12-13} alkanes (and) polyisobutene (Peremethyl 246C, Presperse) 8.00%
Glyceryl stearate (and) PEG-100 (Liponulse 165, Lipo Chemical) 3.25%
Cetearyl alcohol (Lanette O, Lipo Chemical) 0.75%
Cetylsteareth 20 (Lipocil C-20, Lipo Chemical) 0.40%
Stearcic acid 1.50%
Butyrosperum parkii (Shea Butter, Protameen) 1.00%
Cyclomethasiloxane (DC 245 Fluid, Dow Corning) 3.00%
C. Sodium hydroxide, 18% solution (Sodium Hydroxide, Amresco) 0.30%
D. Peat extract (Fytobal White Peat, Presperse) 0.50%
Water (aqua) Chondrus crispus (carrageenan) extract (Diloxigeline, Presperse) 2.00%
Water (aqua) (and) butylen glycol (and) fructan (Fructan, Presperse) 0.50%
100.00%

Procedure: Combine A in a main kettle and heat to 78–80°C. Separately combine B and heat to 80°C. Add A at 80°C with shear mixing and homogenize for 5–8 min or until batch is uniform. Cool batch with prop mixing to 65–70°C. Add C to batch with slow prop. Increase speed as the batch starts to build viscosity. Cool batch to 35°C. Add D to batch and prop mix for 5–8 min or until batch is uniform. Cool batch to 25°C.

Deep Moisturizing Creme
(Colonial Chemical Inc.)

This cream is a light, elegant formulation that offers long-lasting skin conditioning benefits.

A. Potassium cetyl phosphate (Cola Fax CPE-K, Colonial) 1.20%
Stearamidopropyl PG-dimonium chloride phosphate (Cola Lipid ST, Colonial) 2.50%
Titanium dioxide 0.50%
Water (aqua) 85.30%
B. Cetyl alcohol 2.00%
Mystyl myristate 3.00%
Isopropyl palmitate 4.00%
Dimethicone, 100 cS 1.00%
Lanolin alcohol 0.50%
C. Pigment q.s.
Fragrance (parfum) q.s.
Preservative q.s.

Procedure: Heat A with agitation to 60°C. Separately heat B to 60°C. Homogenize B into A for a sufficient time to ensure good emulsification. Stir and cool to 45°C. Add C to batch.

Anti-wrinkle Cream
(Silab)

A. Water (aqua) q.s to 100.00%
B. Sorbitan stearate (Montane 60, Seppic) 3.00%
Polyorbate 60 (Montanox 60 DF, Seppic) 2.00%
Cetearyl ethylhexanoate (Lanol 1688, Seppic) 10.00%
Isononyl isononanoate (Lanol 99, Seppic) 5.00%
Pantethane (D-Pantethan USP, BASF) 0.50%
Water (aqua) 75.40%
DMDDM hydantoin (Glydant, Lonza) 0.10%
Ginkgo biloba leaf extract (Extrapone Ginkgo Biloba, Synrse) 3.00%
100.00%

Procedure: Separately heat A and B to 80°C. Add B to A with mixing. Cool to 30°C and add C in order. D and E. Continue homogenizing until the cream becomes uniform.

Whipped Cream Moisturizer
(Arch Personal Care)

This whipped cream moisturizer features instantly hydrates skin and regulates moisture long-term by channeling it to the areas where it’s most needed.

A. Water (aqua) q.s
Water (aqua) (and) trimethylpropane tricaprylate/tricaprate (and) glycerin (and) cetearyl alcohol (and) ceteareth 20 (and) glyceryl stearate (and) PEG-100 steareate (and) steareth-2 (and) dimethicone (and) ceteth-24 (and) choleth-24 (and) phospholipid (and) propylene glycol (and) methylparaben (and) propylparaben (and) diazolidinyl urea (and) disodium EDTA (SMEC Concentrate #1, Arch Personal Care) 50.00%
B. Butyrosperum parkii (Shea Butter, Protameen) 2.50%
Homosalate (Neo Helocan HMS, Synrse) 5.50%
Skin Care

Microdermabrasion Cream

This microdermabrasion cream is designed to finely polish skin using a slip that facilitates the application process. Grape seed and chamomile extracts are incorporated for their antioxidant and anti-inflammatory properties.

**Ingredients:**
- A. Water (aqua)
- B. Carbomer (Carbopol Ultrez 10 Polymer, Lubrizol/Noveon)
- C. Disodium EDTA (Protachem NA2-P, Protameen)
- D. Neopentyl glycol diethylhexanoate (Schercemol NGDO Ester, Lubrizol/Noveon)
- E. Sodium hydroxide, 18% solution
- F. Magnesium sulfate x 7 H2O
- G. Polyglyceryl-3 polyricinoleate (Imwitor 600, Sasol)
- H. Caprylic/capric/succinic triglyceride (Miglyol 829, Sasol)
- I. Caprylic/capric/linoleic triglyceride (Miglyol 818, Sasol)
- J. Caprylic/capric triglyceride (Miglyol 812, Sasol)
- K. Mica (and) titanium dioxide (and) iron oxide (Timica Brilliant Gold 212G+, BASF)
- L. Sodium stearoyl Lactylate (Kokyu Alkohol  Kogyo)
- M. Neopentyl glycol (Herbasol NGP, Cosmetochem)
- N. Phenoxyethanol (and) methylparaben (and) ethylparaben (and) isobutylparaben (Diocide, DIOW)
- O. Benzyl alcohol (Kokyu Alkohol Kogyo)
- P. Dimethicone, 50 cst (SF96-50, Momentive/GE)
- Q. Isostearyl hydroxystearate (Schercemol SHS Ester, (Lubrizol/Noveon)
- R. Stearyl alcohol (Stearyl Alcohol PC, Protameen)
- S. Stearic acid (Stearic Acid PC, Protameen)
- T. Tocopheryl acetate (Vitamin E Acetate, Protameen Chemicals)
- U. Dimethicone (DC 200/350, Dow Corning)
- V. Cetearyl alcohol (and) ceteareth-20 (Promulgen D Emulsifier, Lubrizol/Noveon)
- W. Carbomer (Carbopol Ultrez 10 Polymer, Lubrizol/Noveon)
- X. Disodium EDTA (Protachem NA2-P, Protameen)
- Y. Cetearyl alcohol (and) ceteareth-20 (Promulgen D Emulsifier, Lubrizol/Noveon)
- Z. Cetyl alcohol (Cetanol SP-D50, Kokyu Alcohol Kogyo)

**Procedure:**
- Combine A. Mix until uniform. Pre-mix B and add to A while mixing. Slowly add C to batch with rapid mixing. Add D to the batch in order, mixing well between each addition.

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Microdermabrasion Cream Formulary

**Ingredient:**
- (Lubrizol/Noveon)

**Description:**
This microdermabrasion cream is designed to finely polish skin using a slip that facilitates the application process. Grape seed and chamomile extracts are incorporated for their antioxidant and anti-inflammatory properties.

**Ingredients:**
- A. Water (aqua)
- B. Carbomer (Carbopol Ultrez 10 Polymer, Lubrizol/Noveon)
- C. Disodium EDTA (Protachem NA2-P, Protameen)
- D. Neopentyl glycol diethylhexanoate (Schercemol NGDO Ester, Lubrizol/Noveon)
- E. Sodium hydroxide, 18% solution
- F. Magnesium sulfate x 7 H2O
- G. Polyglyceryl-3 polyricinoleate (Imwitor 600, Sasol)
- H. Caprylic/capric/succinic triglyceride (Miglyol 829, Sasol)
- I. Caprylic/capric/linoleic triglyceride (Miglyol 818, Sasol)
- J. Caprylic/capric triglyceride (Miglyol 812, Sasol)
- K. Mica (and) titanium dioxide (and) iron oxide (Timica Brilliant Gold 212G+, BASF)
- L. Sodium stearoyl Lactylate (Kokyu Alkohol  Kogyo)
- M. Neopentyl glycol (Herbasol NGP, Cosmetochem)
- N. Phenoxyethanol (and) methylparaben (and) ethylparaben (and) isobutylparaben (Diocide, DIOW)
- O. Benzyl alcohol (Kokyu Alkohol Kogyo)
- P. Dimethicone, 50 cst (SF96-50, Momentive/GE)
- Q. Isostearyl hydroxystearate (Schercemol SHS Ester, (Lubrizol/Noveon)
- R. Stearyl alcohol (Stearyl Alcohol PC, Protameen)
- S. Stearic acid (Stearic Acid PC, Protameen)
- T. Tocopheryl acetate (Vitamin E Acetate, Protameen Chemicals)
- U. Dimethicone (DC 200/350, Dow Corning)
- V. Cetearyl alcohol (and) ceteareth-20 (Promulgen D Emulsifier, Lubrizol/Noveon)
- W. Carbomer (Carbopol Ultrez 10 Polymer, Lubrizol/Noveon)
- X. Disodium EDTA (Protachem NA2-P, Protameen)
- Y. Cetearyl alcohol (and) ceteareth-20 (Promulgen D Emulsifier, Lubrizol/Noveon)
- Z. Cetyl alcohol (Cetanol SP-D50, Kokyu Alcohol Kogyo)

**Procedure:**
- Combine A. Mix until uniform. Pre-mix B and add to A while mixing. Slowly add C to batch with rapid mixing. Add D to the batch in order, mixing well between each addition.

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Light Cold-processed Emulsion

**Formulation:**

**Ingredients:**
- A. Caprylic/capric triglyceride (and) stearamonium bentonite (and) propylene carbonate (Miglyol Gel T, Sasol)
- B. Carbomer (Carbopol Ultrez 10 Polymer, Lubrizol/Noveon)
- C. Disodium EDTA (Protachem NA2-P, Protameen)
- D. Neopentyl glycol diethylhexanoate (Schercemol NGDO Ester, Lubrizol/Noveon)
- E. Sodium hydroxide, 18% solution
- F. Magnesium sulfate x 7 H2O
- G. Polyglyceryl-3 polyricinoleate (Imwitor 600, Sasol)
- H. Caprylic/capric/succinic triglyceride (Miglyol 829, Sasol)
- I. Polyglyceryl-3 polyricinoleate (Imwitor 600, Sasol)
- J. Isostearyl diglyceroyl succinate (Imwitor 780 K, Sasol)
- K. Olea europaea (olive) oil
- L. Antioxidant
- M. Benzyl alcohol (Kokyu Alkohol Kogyo)
- N. Phenoxyethanol (and) methylparaben (and) ethylparaben (and) propylparaben (and) butylparaben (and) isobutylparaben
- O. Water (aqua)
- P. Fragrance (parfum)

**Procedure:** Mix A and B separately. Homogenize A, Mix B. Stir B slowly into A and homogenize until an even particle size distribution is achieved. Add C to batch. NoteOTE: Homogenization with IKA Ultra-Turrax T-25 max. 13,000 rpm.

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Body Buttery Cream

**Formulation:**

**Ingredients:**
- A. Water (aqua)
- B. Theobroma grandiflorum seed butter (Cupuaçu Butter, BioChemica)
- C. Cetearyl alcohol (and) polysorbate 60 (and) dicetyl phosphate (and) ceteth-20 phosphate (Crodosol CS-20 Acid, Croda)
- D. Shorea robusta seed butter (Sal Butter, BioChemica)
- E. Garcinia indica seed butter (Kokum Butter, BioChemica)
- F. PPG-3 benzyl ether myristate (Crodamol STS, Croda)
- G. Cyclomethicone
- H. Stearyl alcohol NF
- I. Emulsifying wax
- J. Fragrance (parfum)
- K. 1,2-Octanediol (and) propylene glycol (Herbasol Chamomile (Matricaria) Extract PG, Cosmetochem)
- L. 2-Phenoxyethanol (and) 1,2-octanediol (and) hexylene glycol (Dioctyl, DIOW)

**Procedure:** Heat A to 80°C for 20 min under prop agitation. Separately heat B to 80°C or until completely melted. Add A to B and mix under prop agitation. Emulsify with homogenizer at moderate speed while using a medium yield mesh screen. Begin to cool down to 30°C after smooth glossy liquid is obtained. Switch from homogenizer to a paddle or sideswipe at 55°C. Add C to batch between 40–50°C. Cool to RT under constant side wipe.

---

Vanishing Cream

**Formulation:**

**Ingredients:**
- A. Benzyl benzoate (and) cetyl alcohol (Cetanol SP-D50, Kokyu Alcohol Kogyo)
- B. Polysorbate 60 (Rheodol TW-S120V, Kao)
- C. Glycerin 2.00
- D. Water (aqua)

**Procedure:** Separately combine A and B at 90°C with stirring. Add C to A at 90°C and mix with stirring. Separately combine C and D at 90°C with stirring. Add AB to CD at 90°C and mix until homogeneous at 3000 rpm for 5 min. Cool to RT with stirring.

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Antiage Challenge

**Formulation:**

**Ingredients:**
- A. Glycerin 2.00
- B. Carbomer (Carbopol Ultrez 10 Polymer, Lubrizol/Noveon)
- C. Magnesium silicate (Veegum HS, R.T. Vanderbilt)
- D. Magnesium aspartate (and) zinc gluconate (and) copper gluconate (Septonic M3, Sepic)
- E. Lactic acid, 90%
- F. Manganese gluconate (and) olive (oil) extract (Manoliva, Sepic)
**Eye Gel Cream (Beraca)**

This product promotes long-lasting moisturizing and anti-aging action.

- **A. Water (aqua)** qs 100.00%
  - Aloe barbadensis extract (Beracare S4110, Beraca) 2.00
  - Phospholipids (and) maltodextrin (and) silica (Beracare LPF, Beraca) 1.50
  - Polyquaternium-10 (Beracare PQS10, Beraca) 1.00
  - Xanthan gum, 2% solution (Keltrol CG, CP Kelco) 10.00
- **B. Cetearyl alcohol** 2.00
- **C. Water (aqua)**
  - Steareth-2 (and) steareth-21 (and) PPG-15 stearyl ether (Beracare APS, Beraca) 0.50
  - Theobroma grandiflora seed butter (Rain Forest RF3410, Cupuacu Butter Refined, Beraca) 0.50
  - Mauritia flexuosa fruit oil (Rain Forest RF3810, Buriti Oil Refined, Beraca) 2.00
- **D. Fragrance (parfum)** qs

Procedure: Mix A in order and heat to 75–80°C. In a separate container, prepare B. At 60°C, add B to the main vessel. Start homogenizing. Continue heating and mixing until the batch reaches 70°C. Start cooling. In order into the vortex, drop by drop. At 60°C, add E drop by drop into batch. Add F to batch. At 50°C, add G. Continue to cool down and at 30°C, add H in order. Mix well after each addition.

**Silky Skin Lotion (Stepan Co.)**

This lotion provides a dry, silky after feel.

- **A. Water (aqua)** qs 100.00%
- **B. Steareth-20 (Bri 78, Uniqema)** 1.00
- **C. Lauryl lactyl lactate (Stepan-Mild L3, Stepan)** 3.00
- **Isopropyl palmitate (Calphalar IP, Calphalar)** 10.00
- **Cetyl alcohol (Lipocell C, Lipocell Chemicals)** 3.00
- **Glyceryl stearate (Hallstar GMS Pure, Hallstar)** 2.00
- **D. Preservatives**
- **E. Color**
- **F. Dye**
- **G. Citric acid**
- **H. Sodium hydroxide**

Procedure: Charge vessel A. Add B to A. Start mixing and heat to 170–175°C. In a separate container, combine C, Heat to 170–175°C. Increase agitation of AB and slowly add C into AB. Emulsify for 20–25 min. Start cooling to 80°F. Add D, if desired. Adjust pH with E.

**Milky Protective Lotion (Nikko Chemicals Co., Ltd.)**

This milk lotion is formulated with a soy-derived emulsifier to reduce irritation and moisturize the skin. Butyl alcohol prevents inflammation and improves texture. It is suitable to protect delicate, sensitive skin.

- **A. Hydrogenated lecithin (Nikko Lecolin S-10, Nikko)** 3.00%
- **Butyl alcohol (Nikko Butyl Alcohol EX, Nikko)** 3.00
- **Ethylhexyl palmitate (Nikko IOP, Nikko)** 8.00
- **Dimethicone** 0.30
- **Cyclomethicone** 2.00
- **B. Xanthan gum** 0.20
- **C. Glycerin** 2.00
- **D. Phenoxyethanol** 0.40
- **E. Water (aqua)** 83.10

Procedure: Heat A and B separately to 80°C. While mixing B by homomixer, add A gradually to emulsify. Cool to RT while mixing with paddle mixer.

**Silky Body Lotion (Penreco)**

This lotion has a luxuriously light and silky feel.

- **A. Water (aqua)** 82.18%
  - Carbomer (Carbopol 940, Lubrizol/Noveon) 0.36
  - Disodium EDTA 0.10
  - Propylene glycol 2.00
  - B. Glycerin 2.00
  - Phenoxyethanol 0.40
  - Water (aqua) 83.10

Procedure: Combine A with mixing and heat to 75–80°C. In a different vessel, combine B and heat with mixing to 80°C. Combine A and B and mix. When homogeneous, cool to 40°C and add C.

**Anti-wrinkle Moisture Lotion (Corum Inc.)**

This formula is formulated with a cholesterol derivative to replenish natural skin lipids and improve natural moisturization while peptides are used for their anti-wrinkle, antiaging and skin firming effects.

- **A. Water (aqua)** qs 100.00%
- **B. Carbomer (Carbopol 941, Lubrizol/Noveon)** 0.36
- **Disodium EDTA** 0.10
- **Propylene glycol** 2.00
- **C. Glycerin** 2.00
- **D. Hydrogenated polydecene (and) ethylene propylene/styrene copolymer (and) butylene/ethylene/styrene copolymer (Veraigel MG 750, Penreco)** 10.00
- **G. Cetyl alcohol (and) ceteareth-20 (Lipowax D, Lipo Chemicals)** 2.00
- **C. Triethanolamine** 0.21
- **D. Dizolidinyl urea (Germall II, ISP)** 1.00
- **E. Fragrance (parfum)**

Procedure: Combine A and mixing and heat to 75–80°C. In a different vessel, combine B and heat with mixing to 80°C. Combine A and B and mix. When homogeneous, cool to 40°C and add C.
Skin Care

**Antisiaging Serum** (Sederma)

This formula works on the origin of youth by targeting the cell actors, guaranteeing lifespan and youthfulness.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Water (aqua)</td>
<td>75.00%</td>
</tr>
<tr>
<td>Water (aqua), PEG-80 sorbitan laurate (and) sodium laurate sulfate (and) cocamidopropyl betaine (and) sodium chloride (and) PEG-150 distearate (and) citric acid (and) quaternium-15 (and) tetrasodium EDTA</td>
<td>25.00%</td>
</tr>
<tr>
<td>B. Sodium chloride</td>
<td>0.50%</td>
</tr>
<tr>
<td>C. Preservative</td>
<td>0.50%</td>
</tr>
<tr>
<td>D. Fragrance (parfum)</td>
<td>0.50%</td>
</tr>
<tr>
<td>E. Dye</td>
<td>0.50%</td>
</tr>
<tr>
<td>F. Propylene glycol</td>
<td>0.05%</td>
</tr>
<tr>
<td>G. Alcohol denat.</td>
<td>0.50%</td>
</tr>
</tbody>
</table>

Procedure: Combine A with prop mixing and heat to 70°C. Separately combine B and heat to 75°C. Add C to A with prop mixing. Hold at 72–75°C for 15 min. Add D to A with prop mixing. Cool to 40°C. Add E to A with prop mixing. Cool to 25–28°C.

**Jojoba Exfoliating Facial Cream** (Desert Whale Jojoba Company)

This facial cream gently exfoliates the face, while moisturizing the skin and acting as a mild, nonionic surfactant that melts into the skin upon application for long-lasting moisturization.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Water (aqua)</td>
<td>30.00%</td>
</tr>
<tr>
<td>Tetrasodium EDTA (Versene 100, Dow Chemical)</td>
<td>0.05%</td>
</tr>
<tr>
<td>B. Sodium lauryl sulfoacetate (Lathanol LAL Powder, Stepan)</td>
<td>5.00%</td>
</tr>
<tr>
<td>C. Poloxamer 407 (Pluracare F127 Prill, BASF)</td>
<td>1.50%</td>
</tr>
<tr>
<td>D. Jojoba wax PEG-120 esters (Jojoba Aqua SOL, Desert Whale Jojoba)</td>
<td>2.50%</td>
</tr>
<tr>
<td>E. Methylparaben</td>
<td>0.25%</td>
</tr>
<tr>
<td>Propylparaben</td>
<td>0.10%</td>
</tr>
<tr>
<td>Glycerin (Emery 912, Cognis)</td>
<td>31.11%</td>
</tr>
</tbody>
</table>

Procedure: Combine A and mix until uniform. Add B to A with prop mixing. Mix until clear and uniform. Begin cooling at 40°C, add C to batch. Cool to 30°C.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>F. Water (aqua)</td>
<td>8.90%</td>
</tr>
<tr>
<td>G. Hydroxyethylcellulose (Cellosolve HEC CP-52, 000H, Dow Chemical)</td>
<td>0.50%</td>
</tr>
<tr>
<td>H. Simmondsia chinensis (jojoba) seed oil (Jojoba Oil Colorless, Desert Whale Jojoba)</td>
<td>8.90%</td>
</tr>
<tr>
<td>I. Glycerin steareate (and) PEG-30 steareate (Arlatone 983S, Uniqema)</td>
<td>8.90%</td>
</tr>
<tr>
<td>J. Stearyl alcohol (Crocadol S-70, Croda) Polysorbate 20 (Crillet 1, Croda)</td>
<td>1.50%</td>
</tr>
<tr>
<td>K. Fragrance (parfum) (Hawaiian Rain, Wellington Fragrance)</td>
<td>0.34%</td>
</tr>
<tr>
<td>L. Simmondsia chinensis (jojoba) butter (and) hydrogenated jojoba oil (and) tocopheryl acetate (and) soybean oil (Jojoba Butter Beads-E, Desert Whale Jojoba)</td>
<td>2.50%</td>
</tr>
<tr>
<td>M. DMDM hydantoin (Mackstat DMDM Hydantoin, McIntyre)</td>
<td>0.20%</td>
</tr>
<tr>
<td>N. Methylparaben</td>
<td>0.25%</td>
</tr>
<tr>
<td>O. Propylparaben</td>
<td>0.10%</td>
</tr>
</tbody>
</table>

**FORMULARY**

**Cleansers**

Creamy Moisturizing Body Wash

*(Lipo Chemicals Inc.)*

This formula is a rich body wash that keeps the skin from becoming dehydrated.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Water (aqua)</td>
<td>42.35%</td>
</tr>
<tr>
<td>Polysorbate 20</td>
<td>4.50%</td>
</tr>
<tr>
<td>Glycerin (and) palmitoyl hexapeptide (Corum 8804, Corum)</td>
<td>1.00%</td>
</tr>
<tr>
<td>Glycerin (and) palmitoyl tripeptide-3 (Corum 8804, Corum)</td>
<td>5.00%</td>
</tr>
<tr>
<td>Glycerin (and) palmitoyl hexapeptide (Corum 8806, Corum)</td>
<td>0.05%</td>
</tr>
<tr>
<td>C. Poloxamer 407 (Pluracare F127 Prill, BASF)</td>
<td>5.00%</td>
</tr>
<tr>
<td>B. Sodium lauryl sulfoacetate (Lathanol LAL Powder, Stepan)</td>
<td>5.00%</td>
</tr>
<tr>
<td>A. Water (aqua)</td>
<td>75.00%</td>
</tr>
</tbody>
</table>

Procedure: In main kettle, combine A and mix until uniform. Add B to A with prop mixing. Mix until clear and uniform. Begin cooling at 40°C, add C to batch. Cool to 30°C.

**Body Scrub** *(Micro Powders Inc.)*

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Water (aqua)</td>
<td>53.70%</td>
</tr>
<tr>
<td>Water (aqua) (and) carborner (Carbopol 940, 2% aq solution, Noveon)</td>
<td>10.00%</td>
</tr>
<tr>
<td>B. Glycerin (and) palmitoyl hexapeptide (Corum 8806, Corum)</td>
<td>6.00%</td>
</tr>
<tr>
<td>C. Polyethylene (Microscrub 50 PC, Micro Powders)</td>
<td>10.00%</td>
</tr>
<tr>
<td>D. Triethanolamine, 99%</td>
<td>0.30%</td>
</tr>
<tr>
<td>E. Propylene glycol (and) diazolidinyl urea (and) methylparaben (and) propylparaben (Germaben II, ISP)</td>
<td>1.00%</td>
</tr>
<tr>
<td>F. Water (aqua)</td>
<td>100.00%</td>
</tr>
</tbody>
</table>

Procedure: Combine A with prop mixing and heat to 70°C. Separately combine B and heat to 75°C. Add C to A with prop mixing. Hold at 72–75°C for 15 min. Add D to A with prop mixing. Mix until uniform. Cool to 40°C. Add E to A with prop mixing. Mix until uniform. Cool to 25–28°C.

**Facial Cleaner** *(Pilot Chemical Co.)*

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water (aqua)</td>
<td>75.00%</td>
</tr>
<tr>
<td>Water (aqua), PEG-80 sorbitan laurate (and) sodium laurate sulfate (and) cocamidopropyl betaine (and) sodium chloride (and) PEG-150 distearate (and) citric acid (and) quaternium-15 (and) tetrasodium EDTA</td>
<td>25.00%</td>
</tr>
<tr>
<td>Sodium chloride</td>
<td>0.50%</td>
</tr>
<tr>
<td>Preservative</td>
<td>0.50%</td>
</tr>
<tr>
<td>Fragrance (parfum)</td>
<td>0.50%</td>
</tr>
<tr>
<td>Dye</td>
<td>0.50%</td>
</tr>
</tbody>
</table>

Procedure: Combine in order with constant mixing. Mix for 1 hran extra hour. The final batch should be clear, smooth, homogenous and lump-free.

**Miscellaneous**

**Antiaging Serum** *(Sederma)*

This formula works on the origin of youth by targeting the cell actors, guaranteeing lifespan and youthfulness.

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>A. Water (aqua)</td>
<td>75.00%</td>
</tr>
<tr>
<td>Water (aqua), PEG-80 sorbitan laurate (and) sodium laurate sulfate (and) cocamidopropyl betaine (and) sodium chloride (and) PEG-150 distearate (and) citric acid (and) quaternium-15 (and) tetrasodium EDTA</td>
<td>25.00%</td>
</tr>
<tr>
<td>B. Xanthan gum</td>
<td>0.40%</td>
</tr>
<tr>
<td>C. Carbomer (Carbopol 940, 2% aq solution, Noveon)</td>
<td>0.50%</td>
</tr>
<tr>
<td>D. Water (aqua)</td>
<td>5.00%</td>
</tr>
<tr>
<td>E. C12-18 alkyl benzoate (Crodamol AB, Croda)</td>
<td>3.00%</td>
</tr>
<tr>
<td>Phenoxethanol</td>
<td>0.80%</td>
</tr>
<tr>
<td>PEG 2000 (Chillet 1, Croda)</td>
<td>0.50%</td>
</tr>
<tr>
<td>Cetearyl alcohol (Crocadol CS 90, Croda)</td>
<td>1.00%</td>
</tr>
<tr>
<td>Sucrose polybehenate (Crodaderm B, Croda)</td>
<td>0.50%</td>
</tr>
</tbody>
</table>
PPG-3 benzyl ether myristate (Crodamol STS, Croda) 0.50
Cetearyl octanoate (Crodamol CAP, Croda) 3.00
F. Caprylic/capric triglyceride (and) teprenone-Jouou-C-INCI
Acrylics/C10-30 alkyl acrylate crosspolymer (Pemulen TR2, Noveon) 0.20
G. Potassium sorbate 0.10
H. Water (aqua) 3.00
Sodium hydroxide, 30% 0.40
Fragrance (parfum) (Azalea, Expressions Parfumées) 0.20
Procedure: Separately disperse B in A with Helix stirring (s = 30 rpm) for 1 hr. Sprinkle C in D and allow swelling for 30 min. Separately combine E and heat to 75°C. Pour CD into AB and heat to 75°C. Extemporaneously, pour E and F into batch with Helix stirring (s = 30 rpm) for 1 hr. Add G to batch. Add H to batch in order and homogenize well.

Antiaging Face Mask
(Phoenix Chemical Inc.)

A. Water (aqua) 29.25%
Kaolin (WCD 2747 Colloidal Kaolin, MPSI) 25.00
B. Polycarbamyl polyglycol ester (Giovarex P-0580, Phoenix Chemical) 4.00
C. Glycerin USP 10.00
PEG-8 (Carbowax PEG-400, Dow Chemical) 5.00
Bentonite (WCD 670 Bentonite NF BC, MPSI) 5.00
D. Tristearin (Pelemol GTIS, Phoenix Chemical) 16.00
Perfluorononyl dimethicone (Precisol FSU-300, Phoenix Chemical) 0.75
Glycerin behenate (Pelemol GMB, Phoenix Chemical) 0.75
Cetearyl alcohol (and) steareth-30 (and) ceteth-10 (Phoenixol T, Phoenix Chemical) 1.50
E. Phenoxethanol (and) methylparaben (and) butylparaben (and) ethylparaben (and) propylparaben (and) isobutylparaben (Eukyl K-300, schülke) 1.00
Butylene glycol (and) Citrus aurantium amara (bitter orange peel) extract (and) xanthan gum (and) methylparaben (Hydrorange, Coletica) 1.00
Fragrance (parfum) (XBF-800058 Crisp Morning, IFF) 0.75
100.00
**SUPPLIER LISTING**

<table>
<thead>
<tr>
<th>Company Name</th>
<th>Address</th>
<th>Phone</th>
<th>Email</th>
<th>Website</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ajinomoto Co. Inc.</td>
<td>Fort Lee, NJ, USA</td>
<td>Tel: 1-201-292-3200</td>
<td>E-mail: <a href="mailto:lifesciences@dowcorning.com">lifesciences@dowcorning.com</a></td>
<td><a href="http://www.dowcorning.com/personalcare">www.dowcorning.com/personalcare</a></td>
</tr>
<tr>
<td>Arch Personal Care Products</td>
<td>South Plainfield, NJ, USA</td>
<td>Tel: 1-908-561-5200</td>
<td>E-mail: <a href="mailto:shannon.stevens@alta.com">shannon.stevens@alta.com</a></td>
<td><a href="http://www.eckart.net">www.eckart.net</a></td>
</tr>
<tr>
<td>Beraca Ingredients</td>
<td>São Paulo, Brazil</td>
<td>Tel: 55-(11)-5509-3722</td>
<td>E-mail: <a href="mailto:beraca@guposabara.com.br">beraca@guposabara.com.br</a></td>
<td><a href="http://www.beraca.com.br">www.beraca.com.br</a></td>
</tr>
<tr>
<td>BioChemica International</td>
<td>Melbourne, FL, USA</td>
<td>Tel: 1-321-254-3444</td>
<td>E-mail: <a href="mailto:james@biochemica.com">james@biochemica.com</a></td>
<td><a href="http://www.biochemica.com">www.biochemica.com</a></td>
</tr>
<tr>
<td>Centerchem Inc.</td>
<td>Norwalk, CT, USA</td>
<td>Tel: 1-203-822-9800</td>
<td>E-mail: <a href="mailto:cosmetics@centerchem.com">cosmetics@centerchem.com</a></td>
<td><a href="http://www.centerchem.com">www.centerchem.com</a></td>
</tr>
<tr>
<td>Cognis Deutschland GmbH &amp; Co. KG</td>
<td>40789 Monheim am Rhein, Germany</td>
<td>Tel: 49-2173-495-412</td>
<td>E-mail: <a href="mailto:lcw@lcw.fr">lcw@lcw.fr</a></td>
<td><a href="http://www.lcw.fr">www.lcw.fr</a></td>
</tr>
<tr>
<td>Colonial Chemical Inc.</td>
<td>South Pittsburg, TN, USA</td>
<td>Tel: 1-423-837-8800</td>
<td>E-mail: <a href="mailto:salesandmarketing@lipochemicals.com">salesandmarketing@lipochemicals.com</a></td>
<td><a href="http://www.lipochemicals.com">www.lipochemicals.com</a></td>
</tr>
<tr>
<td>Corum</td>
<td>Taipei, Taiwan</td>
<td>Tel: 1-886-2-8751-6060</td>
<td>E-mail: <a href="mailto:angela.sangirard@lonza.com">angela.sangirard@lonza.com</a></td>
<td><a href="http://www.lonza.com">www.lonza.com</a></td>
</tr>
<tr>
<td>Desert Whale Jojoba Co.</td>
<td>Tucson, AZ, USA</td>
<td>Tel: 1-520-882-4195</td>
<td>E-mail: <a href="mailto:marketing@desertwhale.com">marketing@desertwhale.com</a></td>
<td><a href="http://www.desertwhale.com">www.desertwhale.com</a></td>
</tr>
<tr>
<td>DKS North America</td>
<td>Baltimore, MD, USA</td>
<td>Tel: 1-410-385-1666</td>
<td>E-mail: <a href="mailto:dmillbergh@mmpinc.com">dmillbergh@mmpinc.com</a></td>
<td><a href="http://www.mmpinc.com">www.mmpinc.com</a></td>
</tr>
<tr>
<td>Dow Corning Corp.</td>
<td>Midland, MI, USA</td>
<td>Tel: 1-989-496-6000</td>
<td>E-mail: <a href="mailto:marketing@desertwhale.com">marketing@desertwhale.com</a></td>
<td><a href="http://www.desertwhale.com">www.desertwhale.com</a></td>
</tr>
</tbody>
</table>

**There are additional suppliers listed in the document, including:**

- Eckart Cosmetic Colors LLC
- Evonik/Degussa
- LCW—Sensient Cosmetic Technologies
- Lipo Chemicals
- Lipotec (see Centerchem)
- Lonza Inc.
- Lubrizol Advanced Materials Inc./Noveon Inc.
- Micro Powders Inc.
- MMP Inc.
- Nikko Chemicals Co., Ltd.
- Noveon (see Lubrizol)

**Other companies mentioned:**

- Penreco
- Pilot Chemical Inc.
- Provital (see Centerchem)
- Rhodia Inc.
- Sasol Olefins & Surfactants
- Sederma SAS
- Seppic
- Silab
- Stepan

**Contact Information:**

You can find contact information for these companies including phone numbers, websites, and email addresses in the document.