# Lotion & Cream Ingredients

## Viscosity Modifiers:
- Albagel®
- Polargel®
- MAS
- Carbomer
- Lubrajel™
- FlexiThix™
- Klucel™
- Natrosol™ HEC
- Natrosol™ Plus
- RapiThix™
- UltraThix™

## Emulsifiers:
- Organic Emulsifying Wax
  - Kostol Natural E
  - Kostol PGP
  - Kostol TBP
  - BELSIL® DMC 6038
- Emulsifying Wax NF
  - Kostol NatureMuls
  - BELsIL® SPG 128
  - Permulgin D
  - BELSIL® OW 1500
- Kostol STMS
- BELSIL® DMC 6031
- PEG-8 Beeswax
- Cerasynt™
- ProLipid® 141 & 151
- BELSIL® WO 5000

## Emollients:
- Ceraphyl™ Esters
- Shea Butter
- BELSIL® CDM 3526
- Natural Oils
- Lubrajel™
- Cocoa Butter
- BELSIL® CM 7026
- Ewoil® Oil Blends
- Jolee 7750
- BELSIL® DM Fluids
- BELSIL® GB 2050
- Kester K-24
- Orange Peel Wax

## Structuring Waxes
- Ceraphyl™ 424
- BELSIL® 7026
- Kester Wax K-48
- Rice Bran Wax
- Emulsynt™ GDL
- Sunflower Wax
- Kester Wax K-62

## Preservatives
- Silverion™ 2400
- Optiphen™
- Conarom™
- Germaben™
- Germall™
- LiquaGard™
- LiquaPar™
- Suttocide™ A

## Functionality:
- Avenacare™- Soothing
- BELSIL® PF 200, PF 22, PDM 20 & 1000 - Shine
- Silk, Soy, Wheat & Keratin Protein - Overall Skin Health
- BELSIL® EG - Texture and Skin Feel
- BELSIL® RG & REG - Transfer Resistance, Texture and Skin Feel
- Sumicos™ & Prestige® Effect Pigments - Visual Enhancement
- Vincience™ - Functional Ingredients
- Escalol™ - Sunscreens
## Daily Defense Cream 03-066

<table>
<thead>
<tr>
<th>Phase A</th>
<th>% W/W</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deionized Water</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Bentonite (Polargel® HV 364)</td>
<td>31.80</td>
<td>BSI</td>
</tr>
<tr>
<td>Water (and) Bentonite (and) Titanium Dioxide (and) Sodium Polyacrylate (and) Picea Abies Wood Extract (and) Xanthan Gum (and) Phenoxyethanol (and) Ethylhexylglycerin (Polargel® UV 1416)</td>
<td>3.50</td>
<td>BSI</td>
</tr>
<tr>
<td>Glycerin (and) Glyceryl Polycarlylate (Lubrajel® II XD)</td>
<td>8.00</td>
<td>BSI – Ashland</td>
</tr>
<tr>
<td>Synthetic Fluorphlogopite (Mica Snow 600)</td>
<td>1.00</td>
<td>BSI</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phase B</th>
<th>% W/W</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Xanthan Gum (Rhodicare® T)</td>
<td>0.20</td>
<td>Solvay</td>
</tr>
<tr>
<td>Glycerin</td>
<td>3.00</td>
<td>Brenntag</td>
</tr>
<tr>
<td>Deionized Water</td>
<td>15.00</td>
<td></td>
</tr>
</tbody>
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<table>
<thead>
<tr>
<th>Phase C</th>
<th>% W/W</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cetearyl Alcohol (and) Ceteareth-20 (Permulgin D)</td>
<td>4.00</td>
<td>BSI - Koster</td>
</tr>
<tr>
<td>PEG/PPG-20/20 Copolymer (and) PEG/PPG-20/20 Dimethicone (Belsil® OW 1500)</td>
<td>5.00</td>
<td>BSI – Wacker</td>
</tr>
<tr>
<td>Dimethicone (Belsil® DM 350)</td>
<td>2.00</td>
<td>BSI – Wacker</td>
</tr>
<tr>
<td>Isoamyl Laurate (Jolee 7750)</td>
<td>2.00</td>
<td>BSI - Oleon</td>
</tr>
<tr>
<td>Myristyl Myristate (and) Myristyl Laurate (Ceraphyl™ 424)</td>
<td>2.00</td>
<td>BSI – Ashland</td>
</tr>
<tr>
<td>Squalane (Olive derived Squalane)</td>
<td>1.00</td>
<td>BSI – Testron</td>
</tr>
<tr>
<td>Argania Spinosa Kernel Oil (Argan Oil)</td>
<td>2.00</td>
<td>BSI – Testron</td>
</tr>
<tr>
<td>Ethylhexyl Methoxycinnamate (Octinoxate) (Escalaol™ 557)</td>
<td>7.50</td>
<td>BSI - Ashland</td>
</tr>
<tr>
<td>Ethylhexyl Salicylate (Octisalate) (Escalaol™ 587)</td>
<td>3.00</td>
<td>BSI - Ashland</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phase D</th>
<th>% W/W</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimethicone (and) Dimethicone/Vinyltrimethysiloxy silicate Crosspolymer (Belsil® REG 1102)</td>
<td>3.00</td>
<td>BSI – Wacker</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Phase E</th>
<th>% W/W</th>
<th>Supplier</th>
</tr>
</thead>
<tbody>
<tr>
<td>Propylene Glycol (and) Diazodinyl Urea (and) Iodopropynyl Butylcarbamate (Liquid Germall™ Plus)</td>
<td>0.50</td>
<td>BSI - Ashland</td>
</tr>
<tr>
<td>Water (and) Artemia Extract (GP4G™ BA)</td>
<td>2.00</td>
<td>BSI – Ashland</td>
</tr>
<tr>
<td>Water (and) Propanediol (and) Hexapeptide-42 (Caspaline™ 14)</td>
<td>0.50</td>
<td>BSI – Ashland</td>
</tr>
<tr>
<td>Silica (and) Lauroyl Lysine (SoftSphere LL)</td>
<td>2.00</td>
<td>BSI</td>
</tr>
</tbody>
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**About the Ingredients:**

**Caspaline™ 14:** Synthetic peptide designed to enhance skin’s natural UV defenses and help fight the signs of aging.

**GP4G BA™:** A multifunctional ingredient containing a unique plankton extract that is designed to energize and to help protect the skin from environmental stress. GP4G™BA has been shown in vitro to help skin limit UV-induced DNA damage.

**Polargel® UV 1416:** Demonstrates high SPF boosting capacity (greater than 50%) while enhancing UVA/UVB performance and stabilizes emulsions.

**Mica Snow:** The high purity (low lead) of Synthetic Fluorphlogopite makes it especially desirable for face applications. It has a soft, silky skin feel and enhances products by providing an elegant shimmery look and glossy luster. At low percentages it provides a soft, dewy youthful appearance.

**Soft Sphere LL:** A spherical silica powder encased with Lauroyl Lysine in the pores and scattered on the surface. Spherical silica powder imparts smoothness, soft focus effects and a fine touch while the Lauroyl Lysine provides good lubricity, smooth spreading, and gives excellent adhesion.

**Belsil® REG 1102:** A silicone resin elastomer gel that has a cushiony and velvety feel on skin and improves product spreadability. Belsil® REG 1102 also provides a long-lasting non-tacky film, enhancing water and transfer resistance.

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