MATERIAL SAFETY DATA SHEET
BLANCHE - Skin Lightening Cream
(Rx Only)

Section 1 – Product and Company Identification

Product Trade Name: BLANCHE - Skin Lightening Cream
(Hydroquinone USP, 4%)

Product Code: NDC 52318-001-01

Distributor: Neocutis, Inc.
3053 Fillmore Street #140
San Francisco, California 94123
U.S.A.

Emergency Phone: 1-866-636-2884 (U.S.)
1-313-664-7546 (international)

Fax Number: 1-313-664-0668

Section 2 – Ingredients and Identity Information

<table>
<thead>
<tr>
<th>Active Ingredient</th>
<th>CAS Number</th>
<th>EINECS Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydroquinone USP, 4%</td>
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</table>

<table>
<thead>
<tr>
<th>Inactive Ingredients</th>
<th></th>
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</thead>
<tbody>
<tr>
<td>Water</td>
<td>231-791-2</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Glyceryl Stearate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cetearyl Alcohol</td>
<td>67762-27-0</td>
<td>267-008-6</td>
</tr>
<tr>
<td>Sodium Glycerophosphate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Diisopropyl Adipate</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Caprylyl Methicone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Glycerin</td>
<td>56-81-5</td>
<td>200-289-5</td>
</tr>
<tr>
<td>Hydroxyethyl Acrylate / Sodium Acryloyldimethyl Taurate Copolymer</td>
<td>N/A</td>
<td>N/A</td>
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<tr>
<td>Ceteareth-20</td>
<td></td>
<td></td>
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<tr>
<td>Leucine</td>
<td></td>
<td></td>
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<tr>
<td>Dimethicone</td>
<td></td>
<td></td>
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<tr>
<td>Simmondsia Chinensis (Jojoba) Seed Oil</td>
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<td></td>
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</tbody>
</table>
Butyrospermum Parkii (Shea Butter)
Isohexadecane
Citric Acid 77-92-9 201-069-0
Undecylenoyl Phenylalanine
Phenylethyl Resorcinol
Aminopropyl Ascorbyl Phosphate
Tocopheryl Acetate
Polysorbate 60 9005-67-8 N/A
Xanthan Gum 11138-66-2 234-394-2
Sodium Metabisulfite
Disodium EDTA 139-33-3 205-358-3
Chlorphenesin
Phenoxyethanol 122-99-6
NA = not applicable

Section 3 – Hazard Identification

Precautions to Consider:

This product contains chemical ingredients that may cause cutaneous hypersensitivity reactions and allergic-type reactions including anaphylactic symptoms. Persons developing hypersensitivity reactions must receive immediate medical attention.

As a general rule, persons working with chemicals should consider all chemicals to be potentially hazardous even if their individual hazards may be uncharacterized or unknown.

Toxicity:

The concentration of the active ingredient in this product does not pose a significant hazard under normal prescribed use conditions. Accidental or intentional overuse of the product may result in systemic toxicity or local irritation.

Carcinogenicity: Animal studies to determine the carcinogenic potential of this product have not been conducted. Studies of hydroquinone in animals have demonstrated some evidence of carcinogenicity. The carcinogenic potential of hydroquinone in humans is unknown. Published studies have demonstrated that hydroquinone is a mutagen and a clastogen. Treatment with hydroquinone has resulted in positive findings for genetic toxicity in the Ames assay in bacterial strains, in in vitro studies in mammalian cells, as well as in the in vivo mouse micronucleus assay.

Reproduction Toxicity: Animal reproduction studies have not been conducted with topical hydroquinone. It is also not known whether hydroquinone can cause fetal harm when used topically on a pregnant woman, or can affect reproductive capacity. It is not known whether topical hydroquinone is absorbed or excreted in human milk.
Potential Health Effects:
Routes of Exposure:

i) **Inhalation**
Irritation of eyes, nose and throat. May cause irritation to the respiratory tract.

ii) **Skin**
May cause marked skin irritation if applied excessively. Prolonged contact may cause mild to moderate local irritation at site of application. Dermatitis due to hypersensitivity reactions and allergic-type reactions including occasionally anaphylactic symptoms occur.

iii) **Ingestion**
This product is a dermatological formulation and is not intended for ingestion. Toxic reactions can be expected when ingested. May cause irritation of the digestive tract. Large oral dosages may produce severe gastrointestinal disturbances.

iv) **Eye**
This product is a dermatological formulation and is not intended for ocular use. Toxic reactions including eye irritation up to corrosive reactions can occur upon exposure; causing reddening, blurred vision and up to loss of eye vision.

v) **Conditions Aggravated by Exposure**
Persons with pre-existing skin disorders or eye problems or with impaired liver, kidney or respiratory function may be more susceptible to the effects of this product.

Section 4 – First Aid Measures

Take precautions to ensure your own health and safety before attempting rescue and providing first aid.

i) **Inhalation**
Remove from source of exposure. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical aid if cough or other symptoms appear.

ii) **Eye**
Remove from source of exposure. Flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by occasionally lifting the upper and lower eyelids with fingers. If irritation develops, get medical aid.

iii) **Skin**
Remove from source of exposure. Flush with copious amounts of soap and water for at least 15 minutes. Remove contaminated shoes and clothing. Get medical aid if irritation or allergic-type reaction develops or persists. Wash clothing before reuse. Thoroughly clean shoes before reuse.

iv) **Ingestion**
Induce vomiting. Seek professional assistance or contact a Poison Control Center immediately. Product contains ingredients that are an aspiration hazard.

**Notes to Physician:** Treat symptomatically and supportively.

### Section 5 – Fire Fighting

i) **Fire and Explosion Hazard:** This product should not present a fire or explosion hazard.

ii) **Flash Point:** >200° F

iii) **Auto-ignition Temperature:** Not determined

iv) **Flammable or Explosive Limits** (approximate percent by volume in air)
   - **Lower Explosive Limit:** Not determined
   - **Upper Explosive Limit:** Not determined

v) **Extinguishing Media:** Foam, water spray (fog), dry chemical carbon dioxide and vaporizing liquid type fire extinguishing agents may all be suitable for extinguishing fires involving this type of product, depending on size or potential size of fire and circumstances related to the situation. It is recommended to plan fire protection and response strategy through consultation with local fire protection authorities or appropriate specialists.

vi) **Fire Fighting Procedures:** Wear a self-contained breathing apparatus (SCBA) equipped with a full face-piece and operated in a pressure-demand mode (or other positive pressure mode) and approved protective clothing. Personnel without suitable respiratory protection must leave the area to prevent significant exposure to hazardous gases from combustion, burning, or decomposition. In an enclosed or poorly ventilated area, wear SCBA during cleanup immediately after a fire as well as during the attack phase of firefighting operations. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.

vii) **Decomposition:** During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Nitrous oxides, CO, CO₂.

### Section 6 – Accidental Release Measures

i) **Steps To Be Taken In Case Material Is Released Or Spilled:** Scrape up material into waste container or absorb with dry sand or oil absorbent. Clean spill with detergent solution or safety solvent. Provide adequate ventilation during cleanup procedures. Avoid contact with skin, eyes, and clothing. Avoid breathing dust or mist.
Section 7 – Handling and Storage

i) Handling: Wash thoroughly after handling. Wash hand before eating. Remove contaminated clothing and wash before reuse. Avoid contact with eyes, skin, and clothing. Keep container tightly closed. Avoid ingestion and inhalation.

ii) Storage: Store in a tightly closed container. Keep from contact with oxidizing materials. Store in a cool, dry, well-ventilated area away from incompatible substances.

iii) Waste: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 8 – Exposure Controls and Personal Protection

i) Exposure limit for total product: Not available

ii) Ventilation: A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersions of it into the general work area.

iii) Respiratory Protection: Not expected to require personal respirator usage.

iv) Skin Protection: Wear appropriate, chemically compatible, protective gloves to prevent skin exposure. Wear appropriate protective clothing to prevent skin exposure.

v) Eye Protection: Wear appropriate protective eyeglasses or chemical safety goggles as described by OSHA’s eye and face protection regulations in 29 CFR 1910.134. Maintain eye wash fountain and quick-drench facilities in work area.

vi) Personal Hygiene: Clean PPE and work clothing contaminated with product prior to use.

Section 9 – Physical and Chemical Properties

i) Appearance: White, medium-viscosity cream

ii) Viscosity at 20°C: 25’000 to 35’000 mPa·s

iii) pH: 4.5 to 5.0
Section 10 – Stability and Reactivity

i) Stability: Stable under ordinary conditions of use and storage. Hazardous polymerization will not occur.

ii) Materials to avoid: Oxidizing agents, strong bases and acids

iii) Conditions to avoid: Excessive heat

iv) Hazardous decomposition products: NA

Section 11 – Ecological Information

Nature of Hazard and Ecological Information:

Clean Air Act: This product does not contain any hazardous air pollutants. This product does not contain any Class 1 Ozone depletors. This product does not contain any Class 2 Ozone depletors.

Section 12 – Disposal Recommendations

State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

Section 13 – Other Information

Date Issued: January 01, 2009
Supersedes Date: March 16, 2011
MSDS ID#: 009, BLANCHE - Skin Lightening Cream (Rx Only)

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End of Material Safety Data Sheet