Overnight Hydration and Repair Serum

Ref: PS3-65

This elegant formulation is designed as a night serum to complement the skin's repair process, eliminate damage, and revitalize it by morning. **PAE Complex® Hydration and Repair** provides multi-functional benefits: mild skin exfoliation, moisturization, and skin repair. OCEA CARE®, which is a part of PAE Complex Hydration and Repair, utilizes the brown seaweed Laminaria saccharina to target skin repair.

<table>
<thead>
<tr>
<th>INCI</th>
<th>Trade Name</th>
<th>Supplier</th>
<th>% W/W</th>
</tr>
</thead>
<tbody>
<tr>
<td>D.I. Water</td>
<td>D.I. Water</td>
<td>Protameen</td>
<td>75.43</td>
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<tr>
<td>Disodium EDTA</td>
<td>Protachem NA-2-P</td>
<td>Protameen</td>
<td>0.10</td>
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<tr>
<td>Glycerin</td>
<td>Glycerin 99.5%</td>
<td>Protameen</td>
<td>4.00</td>
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<tr>
<td>Hydroxyethylcellulose</td>
<td>Natrosol 250 HHR CS</td>
<td>Ashland</td>
<td>0.30</td>
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<tr>
<td>Propylene Glycol</td>
<td>Propylene Glycol</td>
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<td>3.00</td>
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</tbody>
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### Phase B

- Glyceryl Monostearate
- Polyglyceryl-6 Isostearate
- PEG-100 Stearate
- Cetearyl Alcohol
- Cetyl Alcohol
- Polysorbate 80
- Cyclopentasiloxane and Cyclohexasiloxane
- Dimethicone

### Phase C

- Aloe Barbadensis Leaf Juice (and) Glycerin (and) Phytic Acid (and) Laminaria Saccharina Extract
- Sodium Acrylate/Sodium Acryloyldimethyl Taurate Copolymer, Isohexadecane, Polysorbate 80
- Methyl Paraben, Ethyl Paraben, N-Butyl Paraben, Propyl Paraben, Isobutyl Paraben, Phenoxethanol.
- Fragrance
- FD&C Blue
- Tris(tetramethylhydroxyipiperidinol) citrate

**Procedure:** Add water to the main beaker. Premix Natrosol with Glycerin and Propylene Glycol; add it to the water with mixing. Heat to 70°C and mix until no lumps. Add Disodium EDTA with mixing. Combine ingredients of Phase B together. Mix and heat to 60-70°C until it is clear. Add Phase B into Phase A with mixing. Stop heating. Cool Batch to 40°C. Add ingredients of Phase C one by one with mixing.

**Parameters:** pH 5.2, Viscosity 5.400 CPS S#5/10 RPM

**Stability:** Acceptable 8 weeks stability at 4°C, RT 45°C, and 3 F/T cycles.

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