2023 Final Priorities Groupings for New Reports

2023 Reports – per cause

**HC Blue No. 15 – proposed PCPC Hair Color Technical Committee (HCTC)**

*FOU = 22*

**Reported Function:** Hair Colorant

**Notes:** Since FOU might not be a very accurate surrogate for exposure, with regard to hair dyes, the PCPC HCTC proposes one hair dye ingredient annually for Panel review. The HCTC typically submits a proposed hair dye ingredient between the 1st and 2nd meetings of the year.

**Grouping:** None

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**Prostaglandins analogs – e.g., Isopropyl Cloprostenate**

*FOU = 3*

– Alert from Dr. Belsito about SCCS activity; conformation from FDA about cosmetic use

**Reported Functions:** Hair Conditioning Agents; Eyelash Conditioning Agents; Nail Conditioning Agents; Antimicrobial Agents; Antioxidants; Skin-Conditioning Agents - Miscellaneous

**Notes:** These are prostaglandin analogs that might be in use as cosmetic ingredients, despite more common usage as drugs.

**Grouping:** (2 ingredients proposed with a total FOU = 3)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isopropyl Cloprostenate</td>
<td>3</td>
</tr>
<tr>
<td>Ethyl Tafluprostamide</td>
<td>-</td>
</tr>
</tbody>
</table>
**2023 Reports – per FOU**

### Sodium Hydrosulfite

**Definition:** Sodium Hydrosulfite is the inorganic salt that conforms to the formula Na₂S₂O₄.

![Sodium Hydrosulfite Structure]

**Reported Function:** Reducing Agents

**Grouping:** None

### Pelargonium Graveolens Flower Oil

**Definition:** Pelargonium Graveolens Flower Oil is the volatile oil obtained from the flowers of *Pelargonium graveolens*.

**Reported Functions:** Fragrance Ingredients; Skin-Conditioning Agents - Miscellaneous

**Notes:** (CAS Nos. 90082-51-2 (generic) and 8000-46-2) Pelargonium Graveolens Oil (FOU 179), Pelargonium Graveolens Leaf Oil (FOU 13), and Pelargonium Graveolens Flower/Leaf/Stem Water (FOU 9) are fragrance only ingredients.

**Grouping:** (5 ingredients proposed with a total FOU = 294)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pelargonium Graveolens Flower Oil</td>
<td>236</td>
</tr>
<tr>
<td>Pelargonium Graveolens Extract</td>
<td>49</td>
</tr>
<tr>
<td>Pelargonium Graveolens Flower Water</td>
<td>4</td>
</tr>
<tr>
<td>Pelargonium Graveolens Flower Extract</td>
<td>3</td>
</tr>
<tr>
<td>Pelargonium Graveolens Leaf Extract (VCRP name only)</td>
<td>2</td>
</tr>
</tbody>
</table>
**Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate**

**Definition:** Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate is the ester of Dilinoleic Acid with a mixture of Phytosterols, Isostearyl Alcohol, Cetyl Alcohol, Stearyl Alcohol, and Behenyl Alcohol.

wherein the carboxylic acid functional groups are esterified with Phytosteryl, Isostearyl, Cetyl, Stearyl, and/or Behenyl chains.

**Reported Functions:** Hair Conditioning Agents; Skin-Conditioning Agents - Occlusive; Viscosity Increasing Agents – Nonaqueous

**Notes:** Final Amended Safety Assessment of Dialkyl Dimer Dilinoleates as Used in Cosmetics finalized in 2018 with a safe as used conclusion for all 8 ingredients therein. Final assessment on Diisostearoyl Polyglyceryl-3 Dimer Dilinoleate finalized in 2016 with a safe when formulated to be non-irritating conclusion.

**Grouping: (7 ingredients proposed with a total FOU = 398)**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Phytosteryl/Isostearyl/Cetyl/Stearyl/Behenyl Dimer Dilinoleate</td>
<td>234</td>
</tr>
<tr>
<td>Bis-Behenyl/Isostearyl/Phytosteryl Dimer Dilinoleyl Dimer Dilinoleate</td>
<td>82</td>
</tr>
<tr>
<td>Stearyl/PPG-3 Myristyl Ether Dimer Dilinoleate</td>
<td>33</td>
</tr>
<tr>
<td>Dimer Dilinoleyl Dimer Dilinoleate</td>
<td>23</td>
</tr>
<tr>
<td>Bis-Behenyl/Phytosteryl Dimer Dilinoleate</td>
<td>19</td>
</tr>
<tr>
<td>Phytosteryl Isostearyl Dimer Dilinoleate</td>
<td>6</td>
</tr>
<tr>
<td>Octyldodecyl/PPG-3 Myristyl Ether Dimer Dilinoleate</td>
<td>1</td>
</tr>
</tbody>
</table>
**Diglycerin & Polyglycerin-3**

**FOU = 211**  
**FOU = 208**

**Definition:** Diglycerin is a dimer of Glycerin. Dimerization (and resultant connectivity) can occur at any of the alcohol groups (although less substituted alcohols are energetically favored (i.e., primary > secondary >> tertiary).

![Chemical Structure](image)

**Reported Functions:** Humectants; Skin-Conditioning Agents - Humectant

**Notes:** *(CAS No. 59113-36-9) Polyglycerin-3 is essentially “triglycerin.”*

**Grouping:** *(4 ingredients proposed with a total FOU = 451)*

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diglycerin</td>
<td>211</td>
</tr>
<tr>
<td>Polyglycerin-3</td>
<td>208</td>
</tr>
<tr>
<td>Polyglycerin-10</td>
<td>29</td>
</tr>
<tr>
<td>Polyglycerin-6</td>
<td>3</td>
</tr>
</tbody>
</table>

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**Sigesbeckia Orientalis Extract**

**FOU = 202**

**Definition:** Sigesbeckia Orientalis Extract is the extract of *Sigesbeckia orientalis*.

![Botanical Image](image)

**Reported Functions:** Skin-Conditioning Agents - Miscellaneous

**Notes:** VCRP name is “Sigesbeckia Orientalis (Eastern St. Paul’s Wort) Extract”

**Grouping:** None
Houttuynia Cordata Extract

Definition: Houttuynia Cordata Extract is the extract of the herb, Houttuynia cordata.

Reported Functions: Skin-Conditioning Agents - Miscellaneous

Notes: (CAS No. 164288-50-0)

Grouping: (2 ingredients proposed with a total FOU = 203)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Houttuynia Cordata Extract</td>
<td>201</td>
</tr>
<tr>
<td>Houttuynia Cordata Powder</td>
<td>2</td>
</tr>
</tbody>
</table>

Malva Sylvestris (Mallow) Extract

Definition: Malva Sylvestris (Mallow) Extract is the extract of the whole plant, Malva sylvestris.

Reported Functions: Skin-Conditioning Agents - Miscellaneous

Notes: Related to Althaea officinalis or marshmallow.

Grouping: (8 ingredients proposed with a total FOU = 287)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Malva Sylvestris (Mallow) Extract</td>
<td>198</td>
</tr>
<tr>
<td>Malva Sylvestris (Mallow) Flower Extract</td>
<td>72</td>
</tr>
<tr>
<td>Malva Sylvestris (Mallow) Flower/Leaf/Stem Extract</td>
<td>5</td>
</tr>
<tr>
<td>Malva Sylvestris (Mallow) Flower/Leaf Extract</td>
<td>4</td>
</tr>
<tr>
<td>Malva Sylvestris (Mallow) Leaf Extract</td>
<td>4</td>
</tr>
<tr>
<td>Malva Sylvestris (Mallow) Oil (VCRP name only)</td>
<td>2</td>
</tr>
<tr>
<td>Malva Sylvestris (Mallow) Leaf Powder</td>
<td>1</td>
</tr>
<tr>
<td>Malva Sylvestris (Mallow) Flower</td>
<td>1</td>
</tr>
</tbody>
</table>
### Palmitoyl Pentapeptide-4

**Definition:** Palmitoyl Pentapeptide-4 is the reaction product of palmitic acid and Pentapeptide-4. Pentapeptide-4 is a synthetic peptide containing lysine, serine and threonine (PAL-LYS-THR-THR-LYS-SER).

**Reported Functions:** Skin-Conditioning Agents - Miscellaneous

**Notes:** (CAS Nos. 214047-00-4 & 521091-64-5) the 3 proposed ingredients all share the same peptide sequence

**Grouping:** (3 ingredients proposed with a total FOU = 202)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Palmitoyl Pentapeptide-4</td>
<td>198</td>
</tr>
<tr>
<td>Pentapeptide-4</td>
<td>1</td>
</tr>
<tr>
<td>Myristoyl Pentapeptide-4</td>
<td>3</td>
</tr>
</tbody>
</table>

### Salix Alba (Willow) Bark Extract

**Definition:** Salix Alba (Willow) Bark Extract is the extract of the bark of *Salix alba*.

**Reported Functions:** Hair Conditioning Agents; Skin-Conditioning Agents - Occlusive

**Notes:** (CAS No. 84082-82-6) Willow tree

**Grouping:** (2 ingredients proposed with a total FOU = 238)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Salix Alba (Willow) Bark Extract</td>
<td>197</td>
</tr>
<tr>
<td>Salix Alba (Willow) Leaf Extract</td>
<td>41</td>
</tr>
</tbody>
</table>
### Centaurea Cyanus Flower Extract

**FOU = 196**

**Definition:** Centaurea Cyanus Flower Extract is the extract of the flowers of the cornflower, *Centaurea cyanus*.

*Reported Functions:* Cosmetic Astringents; Skin-Conditioning Agents - Miscellaneous

*Notes:* (CAS No. 84012-18-0) “Cornflower”

**Grouping:** (3 ingredients proposed with a total FOU = 265)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Centaurea Cyanus Flower Extract</td>
<td>196</td>
</tr>
<tr>
<td>Centaurea Cyanus Flower Water</td>
<td>68</td>
</tr>
<tr>
<td>Centaurea Cyanus Flower Petals (VCRP name only)</td>
<td>1</td>
</tr>
</tbody>
</table>

### Lactobacillus Ferment

**FOU = 196**

**Definition:** Lactobacillus Ferment is the product obtained through fermentation by the microorganism, *Lactobacillus*.

*Reported Functions:* Not Reported

*Notes:* (CAS No. 2380025-37-4 (generic)) Probiotics?

**Grouping:** (4 ingredients proposed with a total FOU = 213)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Lactobacillus Ferment</td>
<td>196</td>
</tr>
<tr>
<td>Lactobacillus Ferment Lysate</td>
<td>8</td>
</tr>
<tr>
<td>Lactobacillus Ferment Lysate Filtrate</td>
<td>6</td>
</tr>
<tr>
<td>Lactobacillus Ferment Filtrate</td>
<td>3</td>
</tr>
</tbody>
</table>

### Copper Gluconate

**FOU = 192**

**Definition:** Copper Gluconate is the copper salt of gluconic acid that conforms to the formula:

*Reported Function:* Skin-Conditioning Agents – Miscellaneous

*Notes:* (CAS No. 527-09-3)

*Grouping:* None
### Inositol

**Definition:** Inositol is the cyclic polyol that conforms generally to the formula:

![Inositol structure](https://example.com/inositol_structure.png)

**Reported Function:** Hair Conditioning Agents; Humectants

**Notes:** (CAS Nos. 643-12-9 & 87-89-8)

**Grouping:** None

### Paeonia Suffruticosa Root Extract

**Definition:** Paeonia Suffruticosa Root Extract is the extract of the roots of *Paeonia suffruticosa*.

![Tree Peony](https://example.com/tree_peony.jpg)

**Reported Functions:** Skin-Conditioning Agents - Miscellaneous

**Notes:** (CAS No. 223747-88-4 (generic))

**Grouping:** (5 ingredients proposed with a total FOU = 216)

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Paeonia Suffruticosa Root Extract</td>
<td>189</td>
</tr>
<tr>
<td>Paeonia Suffruticosa Extract</td>
<td>13</td>
</tr>
<tr>
<td>Paeonia Suffruticosa Bark Extract</td>
<td>7</td>
</tr>
<tr>
<td>Paeonia Suffruticosa Seed Oil</td>
<td>5</td>
</tr>
<tr>
<td>Paeonia Suffruticosa (Tree Peony) Root Bark Extract (VCRP name only)</td>
<td>2</td>
</tr>
</tbody>
</table>
**Nelumbo Nucifera Flower Extract**

**Definition:** Nelumbo Nucifera Flower Extract is the extract of the flower of *Nelumbo nucifera*.

**FOU = 182**

**Reported Functions:** Skin-Conditioning Agents - Miscellaneous

**Notes:** (CAS No. 85085-51-4 (generic)) “Lotus”

**Grouping: (13 ingredients proposed with a total FOU = 285)**

<table>
<thead>
<tr>
<th>Ingredient</th>
<th>FOU</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nelumbo Nucifera Flower Extract</td>
<td>182</td>
</tr>
<tr>
<td>Nelumbo Nucifera Seed Extract</td>
<td>26</td>
</tr>
<tr>
<td>Nelumbo Nucifera Leaf Extract</td>
<td>17</td>
</tr>
<tr>
<td>Nelumbo Nucifera Root Extract</td>
<td>16</td>
</tr>
<tr>
<td>Nelumbo Nucifera Flower Water</td>
<td>14</td>
</tr>
<tr>
<td>Nelumbo Nucifera Flower Oil (VCRP name only)</td>
<td>9</td>
</tr>
<tr>
<td>Nelumbo Nucifera Callus Culture Extract</td>
<td>7</td>
</tr>
<tr>
<td>Nelumbo Nucifera Germ Extract</td>
<td>8</td>
</tr>
<tr>
<td>Nelumbo Nucifera Extract</td>
<td>2</td>
</tr>
<tr>
<td>Nelumbo Nucifera Stamen Extract</td>
<td>1</td>
</tr>
<tr>
<td>Nelumbo Nucifera Flower/Leaf/Stem Juice</td>
<td>1</td>
</tr>
<tr>
<td>Nelumbo Nucifera Seed Powder</td>
<td>1</td>
</tr>
<tr>
<td>Nelumbo Nucifera Root Water</td>
<td>1</td>
</tr>
</tbody>
</table>