**Section 01 - Product Information**

**Identification of the company:**
Camden-Grey Essential Oils  
3579 NW 82 Ave.  
Doral, FL 33122  
(305)500-9630

**Trade name:** PHENONIP

**Synonyms:** Product Has No Synonyms

**Chemical family:** mixture of biocidal substances

**Primary product use:** Preservation of aqueous dispersions

**Section 02 - Composition Information on Hazardous Ingredients**

**Hazardous ingredients:**

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-no. (Trade secret no.)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>2-Phenoxyethanol</td>
<td>122-99-6</td>
<td>72 %</td>
</tr>
</tbody>
</table>

**Section 03 - Hazards Identification**

**Emergency overview:** Clear, pale yellow liquid.  
NO KNOWN HEALTH HAZARDS.  
NO KNOWN PHYSICAL HAZARDS.

**Expected Route of entry:**

- **Inhalation:** Not expected to be irritating to the respiratory tract.  
Not expected to be toxic by inhalation.

- **Skin contact:** Not expected to be irritating to skin.

- **Eye contact:** Not expected to be irritating to the eyes.

- **Ingestion:** The acute oral toxicity of this material is between 500 and 5000 mg/kg. Relative to other materials, this material is classified as slightly toxic by ingestion.

**Health effects of exposure:**

2-Phenoxyethanol (122-99-6):  
2-phenoxyethanol: Oral LD50 (rat): 1,260 mg/kg. A mild skin irritant and a moderate to severe eye irritant which may cause serious damage to the eyes. Systemic effects observed in animals include hemolysis, kidney and liver damage, central nervous system depression, and lesions in brain, lungs, and liver. Contact with lips, tongue, and mucous membranes can result...
in numbness due to local anesthetic effect. Moderately toxic by acute ingestion resulting in gastrointestinal irritation with nausea, vomiting, and diarrhea with possible liver and kidney injury. Signs of overexposure may also include central nervous system depression characterized by excitement, followed by headache, dizziness, and drowsiness. Advanced stages may cause collapse, unconsciousness, coma, and possible death. Brief contact with undiluted material may cause slight irritation. Repeated prolonged and widespread contact, may result in significant skin irritation and the possible absorption of potentially harmful amounts. Beyond the skin irritation, additional signs and symptoms of toxicity would be similar to ingestion. Inhalation of vapors at elevated temperatures or mists may cause irritation of the nose and upper respiratory tract. Contact with eyes causes moderate to severe eye irritation including possible corneal injury. Based on animal studies, may cause developmental toxicity under conditions of overexposure. Little or no adverse environmental effects are anticipated.

Known effects on other illnesses: Any existing health condition may be aggravated by exposure to this material.

Listed carcinogen: IARC: NO NTP: NO OSHA: NO Other: No

HMIS:
- Health: 1*
- Flammability: 1
- Reactivity: 0
- Personal protection: D

**Section 04 - First aid measures**

**After Inhalation:**
- Remove victim to fresh air.
- Consult physician if irritation or other symptoms occur.

**After contact with skin:**
- Wash area with mild soap and copious amounts of water.
- Seek medical attention if pain or irritation occurs.

**After contact with eyes:**
- Immediately flush eyes with running water for at least 15 minutes, occasionally lifting the upper and lower eyelids. Seek prompt medical attention if redness or irritation occurs.

**After Ingestion:**
- If conscious, give the patient 1-2 glasses of water (8-16 oz.) and call a doctor. Never give anything by mouth to an unconscious person. Induce vomiting only at the instructions of a doctor or nurse.

**Advice to doctor / Treatment:**
- None known.

**Section 05 - Fire fighting measures**

**Flashpoint:** 248 °F

Information applies to the solvent.

**Hazardous combustion products:**
- In case of fires, hazardous combustion gases are formed: Carbon monoxide (CO)
- Carbon dioxide (CO2)
Extinguishing media: water spray jet
    alcohol-resistant foam
    carbon dioxide
    dry powder

Special fire fighting procedure:
    Wear full protective clothing and NIOSH/MSHA-approved positive pressure, self-contained breathing apparatus.

Unusual fire and explosion hazards:
    Emits toxic and corrosive fumes under fire conditions.

Section 06 - Accidental release measures

Steps to be taken in case of spill or leak:
    Wear proper protective equipment. Contain spill. Spills should be collected as a liquid or absorbed on suitable absorbent and placed in proper containers for disposal. Do not discharge into storm drains or the aquatic environment.

Section 07 - Handling and storage

Advice on safe handling:
    Store in closed containers. Avoid contact with skin and eyes. Do not inhale vapors. Store between 32 deg. F and 104 deg. F.

Further info on storage conditions:
    Store in original container.
    Keep containers closed.

Section 08 - Exposure controls/personal protection

Respiratory protection:
    If airborne concentrations pose a health hazard, become irritating or exceed recommended limits, use a NIOSH approved respirator in accordance with OSHA respiratory protection requirements under 29 CFR 1910.134

Hand protection:
    Neoprene Or Nitrile.

Eye protection:
    Chemical splash goggles.

Other protective equipment:
    Clothing suitable to prevent skin contact.

Advice on system design:
    Local ventilation recommended - mechanical ventilation may be used.

IDLH:
    Not Determined

Section 09 - Physical and chemical properties

Form:
    Liquid
Color: yellowish
Odor: weak
Solubility in water: (20 °C) slightly soluble
Density: approx. 1.12 g/cm³ (20 °C)
Decomposition point: > 212 °F

Section 10 - Stability and reactivity
Thermal decomposition: 277 °C (Heating rate: 3 K/min) No decomposition if used as prescribed.
Chemical stability: Stable.
Hazardous Polymerization: Will not occur. Conditions to avoid: None known.
Conditions to avoid: Avoid contact with strong oxidizing agents. Contact with strong acids and bases may cause hydrolysis of product.

Section 11 - Toxicological Information
Product Information:
Acute oral toxicity: 200 - 2,000 mg/kg Method: calculated
Skin irritation: non-irritant Method: OECD 404
Eye irritation: non-irritant Method: OECD 405

Other relevant toxicity information:
Inhalation of vapours leads to irritation of respiratory tract and mucous membranes, headache, nausea, dizziness, vomiting

Section 12 - Ecological Information
Product information:
Biodegradation: 90 - 100 % Method: OECD 301 A
The data refer to the solvent
Fish toxicity: LC50 > 100 mg/l (Fish general (Pisces)) Method: calculated

Remarks:
Do not allow to enter soil, waterways or waste water
Biologically degradable, when diluted may be degraded in biological purification plants
Section 13 - Disposal Considerations:

Waste disposal information:
- Property containerize and label waste material.
- Dispose of any waste residues according to prescribed federal, state and local guidelines, e.g. appropriately permitted chemical waste incinerator.
- Recommended disposal is by incineration in approved facilities.

RCRA hazardous waste:
No – Not as sold.

Section 14 - Transport Information:

- DOT: not restricted
- IATA: not restricted
- IMDG: not restricted

Section 15 - Regulatory Information:

TSCA Status:
This product is not listed on the TSCA Inventory. It is to be used as a cosmetic ingredient only. Any other use will subject the user to penalties under the Toxic Substances Control Act and the regulations issued thereunder.

SARA (Section 311/312):
- Reactive hazard: no
- Pressure hazard: no
- Fire hazard: no
- Immediate/acute: yes
- Delayed/chronic: yes

SARA 313 Information:
This product contains toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-To-Know Act of 1986 and 40 CFR 372. Any such toxic chemical(s) are shown below. This information must be included in all MSDS’s that are copied and distributed for this material.

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-no. (Trade secret no.)</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Glycol ethers (SARA 313 Category), total</td>
<td></td>
<td>72 %</td>
</tr>
</tbody>
</table>

Clean Water Act:
Contains no known priority pollutants at concentrations greater than 0.1%.

Volatile organic compounds VOC:
Remarks: Not Available

CERCLA Information:

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS-no. (Trade secret no.)</th>
<th>Percentage</th>
<th>RQ</th>
</tr>
</thead>
<tbody>
<tr>
<td>GLYCOL ETHERS</td>
<td></td>
<td>72 %</td>
<td></td>
</tr>
</tbody>
</table>
FDA:
Permitted for Use per Section: NONE
This product is not registered with the FDA.

Section 16. Other Information

Other precautions:
Warning: This product is to be used as a cosmetic ingredient only. Any other use will subject the user to penalties under the Toxic Substances Control Act and its regulations.

Label information:

CAUTION!

Excessive exposure may cause liver, kidney, thyroid and blood effects. One of the components of this product is not on the TSCA inventory. It cannot be used for any commercial purposes except as a bonafide cosmetic, cosmetic adjuvant, additive, or ingredient; or for research and development.

Avoid breathing fumes, vapors, mists or spray. Avoid contact with skin and eyes. Use with adequate ventilation and/or respiratory protection. Wash thoroughly after handling. Keep container closed when not in use. This product is not in the TSCA inventory. It is provided only for research and development under the supervision of an individual technically qualified to understand its potential hazards.

Eye contact: flush with water for at least 15 minutes while holding eyelids open. Seek immediate medical attention. Skin contact: remove contaminated clothing. Wash thoroughly with soap and water for 15 minutes. If contact has been widespread or prolonged, or if irritation occurs, seek medical attention. Wash clothing before reuse. Ingestion: do not induce vomiting. If patient is conscious, give two glasses of water. Never give anything by mouth an unconscious person. Seek medical attention immediately. Inhalation: remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen and seek medical attention.