## Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Common Name/Trade Name</th>
<th>Cetostearyl Alcohols</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248</td>
</tr>
<tr>
<td>Commercial Name(s)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Synonym</td>
<td>Cetearyl Alcohol; Cetylstearyl Alcohol; Mixture of stearyl and cetyl alcohols</td>
</tr>
<tr>
<td>Chemical Name</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Chemical Family</td>
<td>Higher molecular weight alcohol. (Aliphatic.)</td>
</tr>
<tr>
<td>Chemical Formula</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Supplier</td>
<td>SPECTRUM LABORATORY PRODUCTS INC. 14422 S. SAN PEDRO STREET GARDENA, CA 90248</td>
</tr>
</tbody>
</table>

### Health Hazard

**Stearyl alcohol**
- ORAL (LD50): Acute: >2000 mg/kg [Rat]. 2510 mg/kg [Rat] (IUCLID); >7960 mg/kg [Rat].

**Cetyl alcohol**
- ORAL (LD50): Acute: 5000 mg/kg [Rat]. 3200 mg/kg [Mouse]. >2000 mg/kg [Rat].

**Myristic alcohol**
- ORAL (LD50): Acute: >5000 mg/kg [Rat]. >20000 mg/kg [Rat]. 32500 mg/kg [Rat].

### Fire Hazard

**Stearyl alcohol**
- Dermal (LD50): Acute: >2000 mg/kg [Mammal (unspecified)].

**Cetyl alcohol**
- Dermal (LD50): Acute: >2600 mg/kg [Rabbit].

### Reactivity

### Toxicological Data on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Stearyl alcohol</td>
<td>112-92-5</td>
<td>40-55</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>2) Cetyl alcohol</td>
<td>36653-82-4</td>
<td>40-55</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>3) Myristic alcohol</td>
<td>112-72-1</td>
<td>0-3</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Toxicological Data on Ingredients:

**Stearyl alcohol**
- ORAL (LD50): Acute: >2000 mg/kg [Rat]. 2510 mg/kg [Rat] (IUCLID); >7960 mg/kg [Rat].
- DERMAL (LD50): Acute: >2000 mg/kg [Mammal (unspecified)].

**Cetyl alcohol**
- ORAL (LD50): Acute: 5000 mg/kg [Rat]. 3200 mg/kg [Mouse]. >2000 mg/kg [Rat].
- DERMAL (LD50): Acute: >2600 mg/kg [Rabbit].

**Myristic alcohol**
- ORAL (LD50): Acute: >5000 mg/kg [Rat]. >20000 mg/kg [Rat]. 32500 mg/kg [Rat].
- DERMAL (LD50): Acute: >5000 mg/kg [Rabbit]. 8000 mg/kg [Rabbit].

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Continued on Next Page
### Section 3. Hazards Identification

<table>
<thead>
<tr>
<th>Potential Acute Health Effects</th>
<th>Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential Chronic Health Effects</td>
<td>Slightly hazardous in case of skin contact (irritant, permeator), of eye contact (irritant), of ingestion, of inhalation.</td>
</tr>
<tr>
<td><strong>CARCINOGENIC EFFECTS</strong>:</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>MUTAGENIC EFFECTS</strong>:</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>TERATOGENIC EFFECTS</strong>:</td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>DEVELOPMENTAL TOXICITY</strong>:</td>
<td>Not available.</td>
</tr>
<tr>
<td>The substance is toxic to mucous membranes.</td>
<td></td>
</tr>
<tr>
<td>Repeated or prolonged exposure to the substance can produce target organs damage.</td>
<td></td>
</tr>
</tbody>
</table>

### Section 4. First Aid Measures

<table>
<thead>
<tr>
<th>Eye Contact</th>
<th>Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention if irritation occurs.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.</td>
</tr>
<tr>
<td>Serious Skin Contact</td>
<td>Not available.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</td>
</tr>
<tr>
<td>Serious Inhalation</td>
<td>Not available.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. Loosen tight clothing such as a collar, tie, belt or waistband. Get medical attention if symptoms appear.</td>
</tr>
<tr>
<td>Serious Ingestion</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 5. Fire and Explosion Data

<table>
<thead>
<tr>
<th>Flammability of the Product</th>
<th>May be combustible at high temperature.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto-Ignition Temperature</td>
<td>The lowest known value is 254°C (489.2°F) (Myristic alcohol).</td>
</tr>
<tr>
<td>Flash Points</td>
<td>The lowest known value is CLOSED CUP: 110°C (230°F) . (Myristic alcohol)</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>The greatest known range is LOWER: 1%  UPPER: 8% (Stearyl alcohol)</td>
</tr>
<tr>
<td>Products of Combustion</td>
<td>These products are carbon oxides (CO, CO2).</td>
</tr>
<tr>
<td>Fire Hazards in Presence of Various Substances</td>
<td>Slightly flammable to flammable in presence of open flames and sparks, of heat, of oxidizing materials. Non-flammable in presence of moisture.</td>
</tr>
<tr>
<td>Fire Fighting Media and Instructions</td>
<td>SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.</td>
</tr>
<tr>
<td>Special Remarks on Fire Hazards</td>
<td>Material supports combustion. (Myristic alcohol)</td>
</tr>
<tr>
<td>Special Remarks on Explosion Hazards</td>
<td>Not available.</td>
</tr>
</tbody>
</table>
Section 6. Accidental Release Measures

Small Spill
Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.

Large Spill
Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through the sanitary system.

Section 7. Handling and Storage

Precautions
Keep away from heat. Keep away from sources of ignition. Do not ingest. Do not breathe dust. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents, acids.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection
Safety glasses. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits
Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance
Solid.

Odor
Not available.

Molecular Weight
Not applicable.

Taste
Not available.

Color
Not available.

pH (1% soln/water)
Not applicable.

Boiling Point
Not available.

Melting Point
48°C (118.4°F) - 56°C.

Critical Temperature
The lowest known value is 487.85°C (910.1°F) (Cetyl alcohol).

Specific Gravity
Weighted average: 0.82 (Water = 1)

Vapor Pressure
Not applicable.

Vapor Density
The highest known value is 9.5 (Air = 1) (Stearyl alcohol). Weighted average: 8.91 (Air = 1)

Volatility
Not available.

Odor Threshold
Not available.

Water/Oil Dist. Coeff.
The product is more soluble in oil.

Ionicity (in Water)
Not available.

Dispersion Properties
Is not dispersed in cold water, hot water, methanol, diethyl ether, n-octanol. See solubility in methanol, diethyl ether, acetone.

Solubility

Continued on Next Page
## Section 10. Stability and Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>The product is stable.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Instability Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Conditions of Instability</td>
<td>Excess heat, incompatible materials</td>
</tr>
<tr>
<td>Incompatibility with various substances</td>
<td>Reactive with oxidizing agents, acids. Non-reactive with moisture.</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>Not considered to be corrosive for metals and glass.</td>
</tr>
<tr>
<td>Special Remarks on Reactivity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Special Remarks on Corrosivity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Polymerization</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

## Section 11. Toxicological Information

### Routes of Entry
- Absorbed through skin. Eye contact. Ingestion.

### Toxicity to Animals
- Acute oral toxicity (LD50): 2196 mg/kg (Rat) (Calculated value for the mixture).
- Acute dermal toxicity (LD50): >2000 mg/kg [Mammal (unspecified)]. (Stearyl alcohol).

### Chronic Effects on Humans
- Not available.

### Other Toxic Effects on Humans
- Slightly hazardous in case of skin contact (irritant, permeator), of ingestion, of inhalation.

### Special Remarks on Toxicity to Animals
- Lowest Published Lethal Dose/Conc
  - LCL [Rat] - Route: Inhalation; Dose: 2220 mg/m3/6H
  - LDL [Guinea Pig] - Route: Skin; Dose: 10000 mg/kg (Cetyl alcohol)

### Special Remarks on Chronic Effects on Humans
- Tumorigenic effects based on animal data (Registry of Toxic Effects of Chemical Substances - Route: implanted; Organism: Mouse. No human available. Unable to locate references on possible reproductive or lactation effects of this agent. (Stearyl alcohol)

### Special Remarks on Other Toxic Effects on Humans
- Acute Potential Health Effects:
  - Skin: Causes mild skin irritation. It may be absorbed through the skin
  - Eyes: Causes mild eye irritation.
  - Inhalation: May cause respiratory tract irritation.
  - Ingestion: May cause digestive tract irritation and diarrhea. May affect behavior/central nervous system (somnolence, central nervous system depression). May affect the liver, respiration (respiratory depression)

## Section 12. Ecological Information

### Ecotoxicity
- Not available.

### BOD5 and COD
- Not available.

### Products of Biodegradation
- Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

### Toxicity of the Products of Biodegradation
- The product itself and its products of degradation are not toxic.

### Special Remarks on the Products of Biodegradation
- Not available.
Section 13. Disposal Considerations

Waste Disposal  Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Section 14. Transport Information

DOT Classification  Not a DOT controlled material (United States).
Not an IATA controlled material

Identification  Not applicable.

Special Provisions for Transport  Not applicable.

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations  No products were found.

California Proposition 65 Warnings  California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer which would require a warning under the statute: No products were found which the State of California has found to cause birth defects which would require a warning under the statute: No products were found.

Other Regulations  Not available

Other Classifications  WHMIS (Canada)  Not controlled under WHMIS (Canada).

National Fire Protection Association (U.S.A.)  S24/25- Avoid contact with skin and eyes.

HMIS (U.S.A.)
- Health Hazard: 1
- Fire Hazard: 1
- Reactivity: 0
- Personal Protection: E

WHMIS (Canada) (Pictograms)

DSCL (Europe) (Pictograms)

TDG (Canada) (Pictograms)

Continued on Next Page
Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>C3896</th>
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</thead>
<tbody>
<tr>
<td>References</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other Special Considerations</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Validated by Sonia Owen on 6/25/2013.  
Verified by Sonia Owen.

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user’s responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.