Phenylethyl Alcohol USP MSDS
## Section 1. Chemical Product and Company Identification

### Common Name/Trade Name
- **Phenylethyl alcohol**

### Manufacturer
- **SPECTRUM LABORATORY PRODUCTS INC.**
  - Address: 14422 S. SAN PEDRO STREET
  - City: GARDENA, CA 90248

### Commercial Name(s)
- Not available.

### Synonym
- 2-Phenethyl alcohol;
- 2-Phenylethanol;
- 2-Phenylethyl alcohol;
- beta-Hydroxyethylbenzene;
- beta-Pea; beta-Phenethyl alcohol;
- beta-Phenylethan; beta-Phenylethyl alcohol;
- Ethanol, 2-phenyl-; Methanol, benzyl-;
- PEA, Phenethyl alcohol; Phenethyl alcohol
- Benzeneethanol

### Chemical Name
- Phenethyl Alcohol

### Chemical Family
- Not available.

### Chemical Formula
- C8H10O

### Supplier
- SPECTRUM LABORATORY PRODUCTS INC.
  - Address: 14422 S. SAN PEDRO STREET
  - City: GARDENA, CA 90248

### Catalog Number(s)
- YY1025, P1057, P1058

### CAS#
- 60-12-8

### RTECS
- SG7175000

### TSCA
- TSCA 8(b) inventory: Phenylethyl alcohol

### CI#
- Not available.

### IN CASE OF EMERGENCY
- CHEMTREC (24hr) 800-424-9300

### CALL
- (310) 516-8000

## Section 2. Composition and Information on Ingredients

### Exposure Limits

<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) Phenylethyl alcohol</td>
<td>60-12-8</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

### Toxicological Data on Ingredients
- **Phenylethyl alcohol**:
  - ORAL (LD50): Acute: 1790 mg/kg [Rat], 2540 mg/kg [Mouse].
  - DERMAL (LD50): Acute: 790 mg/kg [Rabbit].

---

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

<table>
<thead>
<tr>
<th>Potential Acute Health Effects</th>
<th>Hazardous in case of skin contact (irritant, permeator), of eye contact (irritant). Slightly hazardous in case of ingestion, of inhalation.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Potential Chronic Health Effects</td>
<td>CARCINOGENIC EFFECTS: Not available. MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast. TERATOGENIC EFFECTS: Not available. DEVELOPMENTAL TOXICITY: Not available. Repeated or prolonged exposure is not known to aggravate medical condition.</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. Cold water may be used. Get medical attention.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Skin Contact</td>
<td>In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.</td>
</tr>
<tr>
<td>Serious Skin Contact</td>
<td>Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek immediate medical attention.</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>Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. If breathing is difficult, administer oxygen. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek medical attention.</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. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.</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>Not available.</td>
</tr>
<tr>
<td>Flash Points</td>
<td>CLOSED CUP: 96.111°C (205°F).</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not available.</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.</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>Not available.</td>
</tr>
<tr>
<td>Special Remarks on Explosion Hazards</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Continued on Next Page
### Section 6. Accidental Release Measures

<table>
<thead>
<tr>
<th>Small Spill</th>
<th>Dilute with water and mop up, or absorb with an inert dry material and place in an appropriate waste disposal container.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Large Spill</td>
<td>Absorb with an inert material and put the spilled material in an appropriate waste disposal.</td>
</tr>
</tbody>
</table>

### Section 7. Handling and Storage

#### Precautions
- Keep away from heat. Keep away from sources of ignition. Ground all equipment containing material. Do not ingest. Do not breathe gas/fumes/vapor/spray. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Avoid contact with skin and eyes. Keep away from incompatibles such as oxidizing agents.

#### Storage

### Section 8. Exposure Controls/Personal Protection

#### Engineering Controls
- Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapors below their respective threshold limit value. Ensure that eyewash stations and safety showers are proximal to the work-station location.

#### Personal Protection
- Splash goggles. Lab coat. Gloves.
- Respiratory protection is not necessary under normal handling conditions. The vapor pressure of this material is very low. It is not expected to be a significant inhalation hazard under normal handling conditions. If material is misted or heated and room ventilation is inadequate or if local exhaust is not available a vapor respirator may be needed.

#### Personal Protection in Case of a Large Spill
- Splash goggles. Full suit. Boots. Gloves. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

#### Exposure Limits
- Not available.

### Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical state and appearance</th>
<th>Liquid. (Viscous liquid.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Molecular Weight</td>
<td>122.17 g/mole</td>
</tr>
<tr>
<td>pH (1% soln/water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>218.2°C (424.8°F)</td>
</tr>
<tr>
<td>Melting Point</td>
<td>-27°C (-16.6°F)</td>
</tr>
<tr>
<td>Critical Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>1.0202 (Water = 1)</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>0 kPa (@ 25°C)</td>
</tr>
<tr>
<td>Vapor Density</td>
<td>4.21 (Air = 1)</td>
</tr>
<tr>
<td>Volatility</td>
<td>100% (v/v)</td>
</tr>
<tr>
<td>Odor</td>
<td>Floral. Characteristic. Rose-like</td>
</tr>
<tr>
<td>Taste</td>
<td>Initially slightly bitter then sweet and reminiscent of peach.</td>
</tr>
<tr>
<td>Color</td>
<td>Clear. Colorless.</td>
</tr>
<tr>
<td>Water/Oil Dist. Coeff.</td>
<td>The product is more soluble in oil; log(oil/water) = 1.4</td>
</tr>
<tr>
<td>Ionicity (in Water)</td>
<td>Not available.</td>
</tr>
<tr>
<td>Dispersion Properties</td>
<td>See solubility in water, methanol, diethyl ether.</td>
</tr>
<tr>
<td>Solubility</td>
<td>Partially soluble in cold water. 2 ml will dissolve in 100 ml of water after thorough shaking. 1 part is clearly soluble in 1 part of 50% alcohol. Soluble in fixed oils, glycerol. Slightly soluble in mineral oil. Very soluble in propylene glycol. Miscible with chloroform.</td>
</tr>
</tbody>
</table>

---

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>Toxic, Liquid, Organic, n.o.s (Phenylethyl Alcohol)</td>
</tr>
<tr>
<td>Incompatibility with various substances</td>
<td>Reactive with oxidizing agents.</td>
</tr>
<tr>
<td>Corrosivity</td>
<td>Non-corrosive in presence of glass.</td>
</tr>
</tbody>
</table>

Special Remarks on Reactivity: Not available.

Special Remarks on Corrosivity: Not available.

Polymerization: Will not occur.

Section 11. Toxicological Information

Routes of Entry: Absorbed through skin. Dermal contact. Eye contact. Inhalation.

Toxicity to Animals: Acute oral toxicity (LD50): 1790 mg/kg [Rat].
Acute dermal toxicity (LD50): 790 mg/kg [Rabbit].

Chronic Effects on Humans: MUTAGENIC EFFECTS: Mutagenic for bacteria and/or yeast.

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

Special Remarks on Toxicity to Animals: Lethal Dose/Conc 50% Kill: LD50[Rabbit] - Route: Skin; Dose: 790 ul/kg

Special Remarks on Chronic Effects on Humans: May cause adverse reproductive effects and birth defects (teratogenic) based on animal test data.
May affect genetic material (mutagenic).

Special Remarks on Other Toxic Effects on Humans: Acute Potential Health Effects:
Skin: Causes mild to moderate skin irritation. Harmful if absorbed through skin.
Eyes: Causes mild to severe eye irritation. May cause conjunctivitis and corneal clouding.
Inhalation: Inhalation of mist or vapor may cause respiratory tract irritation. May affect behavior/central nervous system (general anesthetic, somnolence, muscular weakness, ataxia, coma), blood (normocytic anemia, changes in serum composition, changes in white blood count).
Ingestion: May be harmful if swallowed. Can cause gastritis. It may also affect behavior/central nervous system with symptoms similar to those of acute inhalation.

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 products of degradation are less toxic than the product itself.

Special Remarks on the Products of Biodegradation: Not available.

Continued on Next Page
**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**
CLASS 6.1: Poisonous material.

**Identification**
UNNA: 2810: Toxic liquid, organic, n.o.s. (Phenethyl alcohol)  PG: III

**Special Provisions for Transport**
Not available.

**DOT (Pictograms)**

**Section 15. Other Regulatory Information and Pictograms**

**Federal and State Regulations**
TSCA 8(b) inventory: Phenethyl alcohol

**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.
California prop. 65: This product contains the following ingredients for 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**
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances (EINECS No. 200-456-2).
Canada: Listed on Canadian Domestic Substance List (DSL).
China: Listed on National Inventory.
Japan: Listed on National Inventory (ENCS).
Korea: Listed on National Inventory (KECI).
Philippines: Listed on National Inventory (PICCS).
Australia: Listed on AICS.

**Other Classifications**
WHMIS (Canada) The classification of this product has not been validated yet by the Service du repertoire toxicologique.

DSCL (EEC)
R21/22- Harmful in contact with skin and if swallowed.
R36/38- Irritating to eyes and skin.

WHMIS (Canada) (Pictograms)

**HMIS (U.S.A.)**

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>National Fire Protection Association (U.S.A.)</th>
<th>Flammability</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td></td>
<td></td>
</tr>
<tr>
<td>1</td>
<td></td>
<td>1</td>
</tr>
<tr>
<td>0</td>
<td></td>
<td>0</td>
</tr>
</tbody>
</table>

Health: 2
Reactivity: 0
Specific hazard: 0
Protective Equipment

Gloves.
Lab coat.

Wear appropriate respirator when ventilation is inadequate.
Splash goggles.

**Section 16. Other Information**

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>P3440</th>
</tr>
</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 8/1/2012.  
Verified by Sonia Owen.  
Printed 8/1/2012.

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.
Contact Distributor
www.qualityexcipients.com
info@qualityexcipients.com