Section 1. Product and Company Identification

**Product Name**  
L-Phenylalaninol

**Product ID**  
P2919

**Chemical Name**  
S-Phenylalaninol, β-amino-(S)-(9CI)Benzenepropanol

**Supplier**  
LKT Laboratories, Inc  
545 Phalen Blvd.  
St. Paul, MN 55130 USA  
Ph: 651-644-8424 Fax: 651-644-8357  
www.lktlabs.com - getinfo@lktlabs.com

**Emergency Phone #**  
1-800-424-9300

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Section 2. Hazards Identification

**GHS Classification**  
Skin corrosion (Category 1B) H314  
Serious eye damage (Category 1) H318

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GHS Label elements including precautionary statements

**Pictogram**

**Signal word** Danger

**Hazard and precautionary statements**

**Hazard statement**  
H314 + H318 - Causes severe skin burns and eye damage.

**Precautionary statements**

P260 - Do not breathe dust or mist.
P264 - Wash skin thoroughly after handling.
P280 - Wear protective gloves, protective clothing, eye protection, face protection.
P301 + P330 + P331 - IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303 + P361 + P353 - IF ON SKIN or hair: Remove, Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310 - Immediately call a POISON CENTER or doctor/ physician.
P321 - Specific treatment (see supplemental first aid instructions on this label).
P363 - Wash contaminated clothing before reuse.
P405 - Store locked up.
P501 - Dispose of contents/ container to an approved waste disposal plant.

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**HMIS Classification**

Health hazard:  3  
Chronic health hazard:  *  
Flammability:  0  
Physical hazard:  0

**NFPA Rating**  
Health hazard:  3  
Fire hazard:  0  
Reactivity hazard:  0

**Potential Health Effects**

Inhalation - May be harmful if inhaled. May cause respiratory tract irritation.
Skin - May be harmful if absorbed through skin. Causes severe skin burns.
Eyes - Causes serious eye irritation. Causes severe eye damage.
Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Ingredient: Title Compound</th>
<th>Percent: 100</th>
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<tbody>
<tr>
<td>Formula</td>
<td>C9H13NO</td>
<td>Formula Wt. 151.21</td>
</tr>
<tr>
<td>CAS No.</td>
<td>3182-95-4</td>
<td>EC No. 221-674-4</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

General advice
Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

Eye Contact
Flush eyes with water as a precaution.

Skin Contact
Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

Inhalation
If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Ingestion
Do NOT induce vomiting. Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 5. Firefighting Measures

Flash Point
Not available.

Extinguishing Media
Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

Firefighting Procedures
Wear self-contained breathing apparatus for firefighting if necessary.

Unusual Fire Hazards
Carbon oxides, nitrogen oxides (NOx).

Section 6. Accidental Release Measures

Personal Precautions
Use personal protective equipment. Avoid dust formation. Avoid breathing dust, vapors, mist, or gas. Ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions
Do not let product enter drains.

Methods and materials for containment and cleanup
Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

Section 7. Handling and Storage

Handling
Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Storage Conditions
Keep container tightly closed in a dry and well-ventilated place. Recommended storage temperature: Ambient

Hazardous Decomposition Products
Not available.

Other Remarks
Section 8. Exposure Controls/Personal Protection

**Personal protective equipment**

**EXPOSURE CONTROLS**
Contains no substances with occupational exposure limit values. Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

**PERSONAL PROTECTION**
Eye/face protection: Face shield and safety glasses. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166 (EU).

Skin protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove’s outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Full and splash contact - Material: Nitrile rubber. Minimum layer thickness: 0.11 mm, Break through time: 480 min, Material tested: Dermatril® (KCL 740 / Aldrich Z677272, Size M).

Body protection: Complete suit protecting against chemicals. The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection: Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator type N100 (US) or type P3 (EN 143) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Section 9. Physical and Chemical Properties

**Physical State**
Solid.
**Color**
Gray or slightly yellow powder.

**Boiling Point**
Not available.
**Volatility**
Not available.

**Melting Point**
90-93°C
**Density**
Not available.

**Solubility**
Soluble in water and methanol.
**pH**
Not available.

**Flash Point**
Not available.
**Ignition temperature**
Not available.

**Lower explosion limit**
Not available.
**Autoignition temperature**
Not available.

**Upper explosion limit**
Not available.
**Vapor pressure**
Not available.

**Water solubility**
Not available.
**Odor**
Not available.

**Partition coefficient: n-octanol/water**
Not available.
**Odor Threshold**
Not available.

**Relative vapor density**
Not available.
**Evaporation rate**
Not available.

Section 10. Stability and Reactivity

**Stability**
Stable under recommended storage conditions.

**Materials To Avoid**
Strong oxidizing agents. Acids, acid chlorides, acid anhydrides and oxidizing agents.

**Hazardous Decomposition Products**
Not available.
Section 11. Toxicological Information

**Oral LD50** Not available.

**Inhalation LC50** Not available.

**Dermal LD50** Not available.

**Other information on acute toxicity** Not available.

**Skin corrosion/irritation** Not available.

**Serious eye damage/irritation** Not available.

**Respiratory or skin sensitization** Not available.

**Germ cell mutagenicity** Not available.

**Carcinogenicity**
- **IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible, or confirmed human carcinogen by IARC.
- **ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.
- **NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.
- **OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive Toxicity** Not available.

**Teratogenicity** Not available.

**Synergistic effects** Not available.

**Aspiration Hazard** Not available.

**Specific organ toxicity single exposure (GHS)** Not available.

**Specific organ toxicity repeated exposure (GHS)** Not available.

**RTECS:** UA6900000

**Potential Health Effects**
- **Inhalation:** May be harmful if inhaled. May cause respiratory tract irritation.
- **Skin:** May be harmful if absorbed through skin. Causes severe skin burns.
- **Eyes:** Causes serious eye irritation. Causes severe eye damage.
- **Ingestion:** May be harmful if swallowed.

**Signs and symptoms of exposure** Cough, shortness of breath, headache, nausea, vomiting.

Section 12. Ecological Information

**Toxicity** Not available.

**Mobility in soil** Not available.

**PBT and vPvB assessment** PBT/vPvB assessment not available as chemical safety assessment not required/not
Section 13. Disposal Considerations

Waste Disposal
Dispose of material according to all federal, state and local regulations. Offer material to a licensed, professional waste disposal company to dispose of as unused product. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Section 14. Transport Information

DOT (US)  
UN number: 3259  Class: 8  Packing Group: III  
Proper shipping name: Amines, solid, corrosive, n.o.s. (L-Phenylalaninol)  
Marine pollutant: No  Poison inhalation hazard: No

IATA  
UN number: 3259  Class: 8  Packing Group: III  
Proper shipping name: Amines, solid, corrosive, n.o.s. (L-Phenylalaninol)

IMDG  
UN number: 3259  Class: 8  Packing Group: III  EMS #: F-A-S-B  
Proper shipping name: AMINES, SOLID, CORROSIVE, N.O.S. (L-Phenylalaninol)  
Marine Pollutant: NO

Further Information

Section 15. Regulatory Information

Reach No.

SARA 302 Components  
SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

SARA 313 Components  
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

SARA 311/312 Components  
No SARA hazards.

Massachusetts Right To Know Components  
No components are subject to the Massachusetts Right to Know Act.

Pennsylvania Right To Know Components  
L-Phenylalaninol  CAS #: 31895-4  Revision Date:

New Jersey Right To Know Components  
L-Phenylalaninol  CAS #: 31895-4  Revision Date:

California Prop 65 Components  
This product does not contain any chemicals known to the State of California to cause cancer, birth defects or any other reproductive harm.

Section 16. Other Information

Other information  
The information in this document is believed to be correct but is not necessarily complete. LKT does not guarantee the accuracy of the information. The burden of verifying the information in this document rests solely upon the user.
For emergencies in the USA, call CHEMTREC 800-424-9300