# Material Safety Data Sheet

## Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>Common Name/ Trade Name</th>
<th>Catalog Number(s)</th>
<th>CAS#</th>
<th>RTECS</th>
<th>TSCA 8(b) inventory:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ergotamine Tartrate</td>
<td>E1259</td>
<td>379-79-3</td>
<td>KE8225000</td>
<td>Ergotamine Tartrate</td>
</tr>
</tbody>
</table>

### Manufacturer
SPECTRUM LABORATORY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

### Commercial Name(s)
Not available.

### Synonym
Ergam; Ergate; Ergomar; Ergostat; Ergotartrate; Gotamine tartrate; Neo-ergotin; Ergotamine bitartrate; Rigetamin; Secagyn; Secupan

### Chemical Name
Ergotamine Tartrate

### Chemical Family
Not available.

### Chemical Formula
(C33-H35-N5-O5)2.C4-H6-O6 or C66-H70-N10-O10.C4-H6-O6

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

## 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) Ergotamine Tartrate</td>
<td>379-79-3</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

### Toxicological Data on Ingredients
- **LD50**: Not available.
- **LC50**: Not available.

## Section 3. Hazards Identification

### Potential Acute Health Effects
Hazardous in case of ingestion. Slightly hazardous in case of skin contact (irritant), of eye contact (irritant), of inhalation.

### Potential Chronic Health Effects
- **CARCINOGENIC EFFECTS**: Not available.
- **MUTAGENIC EFFECTS**: Not available.
- **TERATOGENIC EFFECTS**: Not available.
- **DEVELOPMENTAL TOXICITY**: Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED].
  The substance may be toxic to the reproductive system, cardiovascular system, central nervous system (CNS). Repeated or prolonged exposure to the substance can produce target organs damage.
### Section 4. First Aid Measures

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Eye Contact</strong></td>
<td>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. WARM water MUST be used. Get medical attention if irritation occurs.</td>
</tr>
<tr>
<td><strong>Skin Contact</strong></td>
<td>Wash with soap and water. Cover the irritated skin with an emollient. Get medical attention if irritation develops.</td>
</tr>
<tr>
<td><strong>Serious Skin Contact</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Inhalation</strong></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><strong>Serious Inhalation</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Ingestion</strong></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><strong>Serious Ingestion</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 5. Fire and Explosion Data

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Flammability of the Product</strong></td>
<td>May be combustible at high temperature.</td>
</tr>
<tr>
<td><strong>Auto-Ignition Temperature</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flash Points</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Flammable Limits</strong></td>
<td>Not available.</td>
</tr>
<tr>
<td><strong>Products of Combustion</strong></td>
<td>These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).</td>
</tr>
<tr>
<td><strong>Fire Hazards in Presence of Various Substances</strong></td>
<td>Slightly flammable to flammable in presence of heat.</td>
</tr>
<tr>
<td><strong>Fire Fighting Media and Instructions</strong></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><strong>Special Remarks on Fire Hazards</strong></td>
<td>When heated to decomposition it emits toxic fumes of Nitrogen oxide</td>
</tr>
<tr>
<td><strong>Special Remarks on Explosion Hazards</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

### Section 6. Accidental Release Measures

<table>
<thead>
<tr>
<th>Category</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Small Spill</strong></td>
<td>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.</td>
</tr>
<tr>
<td><strong>Large Spill</strong></td>
<td>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.</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 dust. Wear suitable protective clothing. If ingested, seek medical advice immediately and show the container or the label. Keep away from incompatibles such as oxidizing agents.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area. Do not store above 8°C (46.4°F). Refrigerate.

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. (Crystalline powder.)

Molecular Weight
1313.41 g/mole

pH (1% soln/water)
Not available.

Boiling Point
Not available.

Melting Point
Decomposition temperature: 203°C (397.4°F)

Critical Temperature
Not available.

Specific Gravity
Not available.

Vapor Pressure
Not available.

Vapor Density
Not available.

Volvility
Not available.

Odor Threshold
Not available.

Water/Oil Dist. Coeff.
Not available.

Ionicity (in Water)
Not available.

Dispersion Properties
Not available.

Solubility
Very slightly soluble in cold water.
Solubility in Water: 0.1%
Solubility in Ethanol: 0.1%

Section 10. Stability and Reactivity Data

Stability
The product is stable.

Instability Temperature
Not available.

Conditions of Instability
Excess heat, incompatible materials, light

Incompatibility with various substances
Reactive with oxidizing agents.

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### Section 11. Toxicological Information

<table>
<thead>
<tr>
<th>Routes of Entry</th>
<th>Inhalation. Ingestion.</th>
</tr>
</thead>
</table>

#### Toxicity to Animals

- **LD50:** Not available.
- **LC50:** Not available.

#### Chronic Effects on Humans

**DEVELOPMENTAL TOXICITY:** Classified Reproductive system/toxin/female, Reproductive system/toxin/male [SUSPECTED].

May cause damage to the following organs: the reproductive system, cardiovascular system, central nervous system (CNS).

**Other Toxic Effects on Humans**

Hazardous in case of ingestion.

Slightly hazardous in case of skin contact (irritant), of inhalation.

#### Special Remarks on Toxicity to Animals

- Not available.

#### Special Remarks on Chronic Effects on Humans

- May affect genetic material (mutagenic).
- May cause adverse reproductive effects and birth defects (teratogenic).

#### Special Remarks on other Toxic Effects on Humans

**Acute Potential Health Effects:**

- **Skin:** May cause skin irritation.
- **Eyes:** May cause eye irritation.

Inhalation: May cause respiratory tract irritation. May cause systemic effects similar to that of ingestion.

Ingestion: Harmful if swallowed. May cause dry mouth, stomach pain/abdominal cramps, nausea, vomiting, diarrhea. May affect behavior/central nervous system/nervous system (headache, ataxia, dizziness, lassitude, lethargy, slurred speech, euphoria, insomnia/drowsiness, confusion, mental instability, hallucinations, convulsions, muscle contraction or spasticity, facial and peripheral nerve palsies, weakness, one-sided paralysis), cardiovascular system (chest pain, change in heart rate [tachycardia or bradycardia] or blood pressure [hypertension or hypotension], weak pulse, myocardial fibrosis), kidneys (renal failure - hematuria, oliguria). May also cause visual changes, cyanosis (may occur secondary to peripheral ischemia), cold or itching skin, numbness, peripheral circulatory disturbances, gangrene, tingling or swollen extremities, shortness of breath, respiratory depression, and loss of consciousness.

**Chronic Potential Health Effects:**

Ingestion: Prolonged or repeated ingestion may affect behavior/central nervous system/nervous system, and cardiovascular system with similar symptoms as acute ingestion. Medical Conditions Aggravated by Exposure: Hypersensitivity to material, cardiovascular disease, recent or contemplated angioplasty, hypertension, severe itching, sepsis or other severe infection, and impaired kidney or liver function.

### Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Ecotoxicity</th>
<th>Not available.</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>BOD5 and COD</strong></td>
<td>Not available.</td>
</tr>
</tbody>
</table>

#### 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.
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).

Identification

Not applicable.

Special Provisions for Transport

Not applicable.

DOT (Pictograms)

Section 15. Other Regulatory Information and Pictograms

Federal and State Regulations

California prop. 65: This product contains the following ingredients for which the State of California has found to cause cancer, birth defects or other reproductive harm, which would require a warning under the statute: Ergotamine Tartrate
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: Ergotamine Tartrate
Illinois chemical safety act: Ergotamine Tartrate
New York release reporting list: Ergotamine Tartrate
Pennsylvania RTK: Ergotamine Tartrate
Massachusetts RTK: Ergotamine Tartrate
Massachusetts spill list: Ergotamine Tartrate
New Jersey: Ergotamine Tartrate
New Jersey spill list: Ergotamine Tartrate
Louisiana RTK reporting list: Ergotamine Tartrate
TSCA 8(b) inventory: Ergotamine Tartrate
SARA 302/304/311/312 extremely hazardous substances: RQ = 500 lbs.: Ergotamine Tartrate

Proposition 65 Warnings

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: Ergotamine Tartrate

Other Regulations

EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.

Other Classifications

WHMIS (Canada) CLASS D-2A: Material causing other toxic effects (VERY TOXIC).

HMIS (U.S.A.)

National Fire Protection Association (U.S.A.)

<table>
<thead>
<tr>
<th>Health Hazard</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
<td>E</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Flammability</th>
<th>Reactivity</th>
<th>Specific hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>2</td>
<td>1</td>
<td>0</td>
</tr>
</tbody>
</table>

WHMIS (Canada) (Pictograms)

Continued on Next Page
Protective Equipment

Gloves.

Lab coat.

Dust respirator. Be sure to use an approved/certified respirator or equivalent. Wear appropriate respirator when ventilation is inadequate.

Safety glasses.

Section 16. Other Information

MSDS Code: E0003

References: Not available.

Other Special Considerations: Not available.


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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.