Section 1. Product and Company Identification

Product Name: Seratrodast
Product ID: S1968
Chemical Name (Synonyms):
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

Section 2. Hazards Identification

GHS Classification:
Reproductive toxicity (Category 2)

GHS Label elements including precautionary statements

Pictogram:
Signal word: Warning
Hazard and precautionary statements
Hazard statements:
H302 - Harmful if swallowed.
H312 - Harmful if in contact with skin.
H332 - Harmful if inhaled.
H361 - Suspected of damaging fertility or the unborn child.
Precautionary statements:
P261 - Avoid breathing dust, fumes, gas, mist, vapors and spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P281 - Use personal protective equipment as required.
P322 - Specific measures (see on this label).
P405 - Store locked up.
P501 - Dispose of contents/container in accordance with local, regional, national and international regulations.

HMIS Classification: Not available

NFPA Rating: Not available

Potential Health Effects:
Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
Skin: May be harmful in contact with skin.
Eyes: May cause eye irritation.
Ingestion: May be harmful if swallowed.

Section 3. Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Substances</th>
<th>Formula Wt.</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Formula</td>
<td>C_{22}H_{26}O_{4}</td>
<td>112665-43-7</td>
</tr>
</tbody>
</table>

Section 4. First Aid Measures

General advice
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.

Eye Contact
Remove contact lenses. Flush with water for at least 15 minutes and seek medical attention immediately.

Skin Contact
Wash with soap and water for 15 minutes and seek medical attention immediately. Wash contaminated clothing before use.

Inhalation
Remove from exposure and provide respiration support if necessary. Seek medical attention.

Ingestion
Rinse mouth with water. Contact a physician or poison control immediately.

Section 5. Firefighting Measures

Flash Point
Not Available

Extinguishing Media
Water spray, dry chemical powder, carbon dioxide, polymer foam.

Firefighting Procedures
Wear self-contained breathing apparatus and protective clothing.

Unusual Fire Hazards
May emit toxic fumes under fire conditions.

Section 6. Accidental Release Measures

Personal Precautions
Wear respiratory protection. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Evacuate personnel to safe areas. Avoid breathing dust.

Environmental Precautions
Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Methods and materials for containment and cleanup
Use appropriate tools to collect material and dispose of in waste container. Avoid raising dust. Ventilate the area and wash spill site after material has been removed.

Section 7. Handling and Storage

Handling
Wear gloves, goggles, and lab coat when handling this material. Use in a well ventilated area. Use only in a chemical fume hood. Wash thoroughly after handling material.

Storage Conditions
Store in a cool, dry place in a tightly closed container.

Hazardous Decomposition Products
Nature of decomposition products not known.

Other Remarks
None
Section 8. Exposure Controls/Personal Protection

Personal protective equipment
Respiratory protection
Where risk assessment shows air-purifying respirators are appropriate use a full-face particle respirator. 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).

Hand 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.

Eye 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 and 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.

Hygiene measures
Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after

Section 9. Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Physical State</th>
<th>Color</th>
</tr>
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<tbody>
<tr>
<td>Solid</td>
<td>Yellow to orange</td>
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<table>
<thead>
<tr>
<th>Boiling Point</th>
<th>Volatility</th>
<th>Melting Point</th>
<th>Density</th>
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</thead>
<tbody>
<tr>
<td>Not Available</td>
<td>Not Available</td>
<td>128-129°C</td>
<td>Not Available</td>
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</table>

<table>
<thead>
<tr>
<th>Solubility</th>
<th>pH</th>
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</thead>
<tbody>
<tr>
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<td>Not available</td>
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</table>

<table>
<thead>
<tr>
<th>Flash Point</th>
<th>Ignition temperature</th>
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</thead>
<tbody>
<tr>
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<td>Not available</td>
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</table>

<table>
<thead>
<tr>
<th>Lower explosion limit</th>
<th>Autoignition temperature</th>
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<td>Not available</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Upper explosion limit</th>
<th>Vapor pressure</th>
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</thead>
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<td>Not available</td>
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</table>

<table>
<thead>
<tr>
<th>Water solubility</th>
<th>Odor</th>
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</thead>
<tbody>
<tr>
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<td>Not available</td>
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</table>

<table>
<thead>
<tr>
<th>Partition coefficient: n-octanol/water</th>
<th>Odor Threshold</th>
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<tr>
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<table>
<thead>
<tr>
<th>Relative vapor density</th>
<th>Evaporation rate</th>
</tr>
</thead>
<tbody>
<tr>
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<td>Not available</td>
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</table>

Section 10. Stability and Reactivity

Stability
Stable

Materials To Avoid
Keep away from heat and strong oxidizing agents.

Hazardous Decomposition Products
Nature of decomposition products not known.
### Section 11. Toxicological Information

<table>
<thead>
<tr>
<th>Oral LD50</th>
<th>Skin corrosion/irritation</th>
</tr>
</thead>
<tbody>
<tr>
<td>LD50 Oral - mouse - 1520 mg/kg</td>
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</tr>
<tr>
<td>LD50 Intraperitoneal - mouse - 1100 mg/kg</td>
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<tr>
<td>LD50 Subcutaneous - mouse - &gt;5000 mg/kg</td>
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<tr>
<td>Inhalation LC50</td>
<td>Serious eye damage/irritation</td>
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<tr>
<td>Not available.</td>
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<tr>
<td>Dermal LD50</td>
<td>Respiratory or skin sensitization</td>
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<tr>
<td>Not available.</td>
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<tr>
<td>Other information on acute toxicity</td>
<td>Germ cell mutagenicity Not available.</td>
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</table>

### Reproductive Toxicity

Not available.

### Specific organ toxicity

<table>
<thead>
<tr>
<th>single exposure (GHS)</th>
<th>Synergistic effects Not available.</th>
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<tbody>
<tr>
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<table>
<thead>
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<th>repeated exposure (GHS)</th>
<th>Additional Information Not available.</th>
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<tbody>
<tr>
<td>Not available.</td>
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</tbody>
</table>

### Teratogenicity

Not available.

### Potential Health Effects

- Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.
- Skin: May be harmful in contact with skin.
- Eyes: May cause eye irritation.
- Ingestion: May be harmful if swallowed.

### 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.

### Section 12. Ecological Information

<table>
<thead>
<tr>
<th>Toxicity</th>
<th>Mobility in soil</th>
</tr>
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<tbody>
<tr>
<td>Not available.</td>
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<table>
<thead>
<tr>
<th>PBT and vPvB assessment</th>
<th>Not available.</th>
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</thead>
<tbody>
<tr>
<td>Not available.</td>
<td></td>
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</table>
Persistence and degradability  Not available.  Other adverse effects  Not available.

Bioaccumulative potential  Not available.

Section 13. Disposal Considerations
Waste Disposal
Dispose of material according to all federal, state and local regulations.

Section 14. Transport Information
DOT (US)  Not dangerous goods.
IATA  Not dangerous goods
IMDG  Not dangerous goods

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 II, 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
Seratrodast  CAS: 112665-43-7

New Jersey Right To Know Components
Seratrodast  CAS: 112665-43-7

California Prop 65 Components  This product does not contain any chemicals known to 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.