## Section 1. Identification

**Product Identifier**

| Catalog Number: | K2151 |

**Recommended use of the chemical and restrictions on use**
For research use only. Not intended for human or animal diagnostic or therapeutic uses

**Manufacture/Supplier Details:**
Alpha Teknova, Inc.
2290 Bert Dr.
Hollister, CA 95023
Telephone Number: 831-637-1100

**Emergency Telephone Numbers**
CHEMTREC Emergency Phone Number: (800) 424-9300

## Section 2. Hazard Identification

**Classification of the substance/mixture:** hazardous substance or mixture.

**GHS Label elements, including precautionary statements**
The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Pictogram:**

**Hazard statements:**
May damage fertility or the unborn child
Danger

**Signal word:**
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. IF exposed or concerned: Get medical advice/ attention.

**Precautionary Statements:**
Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Use personal protective equipment as required. IF exposed or concerned: Get medical advice/ attention.

**HMIS rating (Scale 0-4):**

<table>
<thead>
<tr>
<th>HEALTH</th>
<th>FIRE</th>
<th>REACTIVITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**NFPA Rating:**

<table>
<thead>
<tr>
<th>Health</th>
<th>Flammability</th>
<th>Reactivity</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

**Hazards not otherwise classified:**
None

## Section 3. Composition/Information On Ingredients
Chemical Name: Kanamycin Sulfate

Identifiers:

- **CAS:** 25389-94-0
- **Hazardous:** 10.1%

Chemical Characterization: Mixture

Any concentration shown as a range is to protect confidentiality or is due to batch variation.

### Section 4. First Aid Measures

**Description of necessary measures**

**Inhalation:**
Remove victim to fresh air and keep at rest in a position comfortable for breathing. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. It may be dangerous to the person providing aid to give mouth-to-mouth resuscitation. Get medical attention if adverse health effects persist or are severe. If unconscious, place in recovery position and get medical attention immediately. Maintain an open airway.

**Skin:**
Flush contaminated skin with plenty of water. Remove contaminated clothing and shoes. Get medical aid if irritation develops or persists.

**Eye:**
Immediately flush eyes with plenty of water, occasionally lifting the upper and lower eyelids. Check for and remove any contact lenses. Continue to rinse for at least 10 minutes. Get medical attention.

**Ingestion:**
Do not induce vomiting. Get medical attention if adverse health effects develop or persist.

**Most important symptoms/effects, acute and delayed**
Non further relevant information available

**Indication of any immediate medical attention and special treatment needed**
All treatment should be based on observed sign and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.

### Section 5. Fire Fighting Measures

**Extinguishing media:**

This is a nonflammable powder

**Suitable extinguishing media:**

Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable Extinguishing:**

None known

**Special hazards arising from the substance or mixture**

**Unusual fire and explosion hazards:**

No specific fire or explosion hazard

**Hazardous Combustion products:**

None known

**Special protective equipment and precautions for the fire-fighters**

No special measures required

### Section 6. Accidental Release Measures
Personal precautions, protective equipment and emergency procedures
Wear appropriate protective equipment including respiratory protection as conditions warrant. Do not touch or walk through spilled material. Do not touch damaged containers or spilled materials unless wearing appropriate protective clothing.

Environmental precautions
Avoid run off to waterways and sewers.

Methods and materials for containment and cleaning up
Absorb with liquid-binding material.
Dispose contaminated material as waste according to item 13.
Section 7. Handling And Storage

Precautions for safe handling: No special handling requirements for normal use of this material.

Conditions for safe storage, including and incompatibilities

Storage: Keep labeled container tightly closed and upright.

Incompatible materials or Ignition sources: Keep away from strong oxidizers.

Section 8. Exposure Controls/Personal Protection

Control parameters

Occupational exposure Limit values: Contains no substances with occupational exposure limit values.

Appropriate engineering controls: General industrial hygiene practice.

Personal protective equipment

Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Hand Protection: Protective gloves. The glove material has to be impermeable and resistant to the product/the substance/ the preparation.

Respiratory Protection: None required under normal conditions of use

Section 9. Physical And Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Powder</td>
</tr>
<tr>
<td>Odor</td>
<td>none</td>
</tr>
<tr>
<td>Odor Threshold</td>
<td>no data available</td>
</tr>
<tr>
<td>pH</td>
<td>no data available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>no data available</td>
</tr>
<tr>
<td>Initial boiling point &amp; boiling range</td>
<td>no data available</td>
</tr>
<tr>
<td>Flash point</td>
<td>Product does not sustain combustion</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>no data available</td>
</tr>
<tr>
<td>Flammability (solid, gas)</td>
<td>no data available</td>
</tr>
<tr>
<td>Partition coefficient</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>no data available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>no data available</td>
</tr>
<tr>
<td>Relative density (water)</td>
<td>no data available</td>
</tr>
<tr>
<td>Solubility</td>
<td>Soluble in water</td>
</tr>
<tr>
<td>Upper/lower flammability or explosive limits</td>
<td>no data available</td>
</tr>
<tr>
<td>Auto-ignition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Decomposition temperature</td>
<td>no data available</td>
</tr>
<tr>
<td>Viscosity</td>
<td>no data available</td>
</tr>
<tr>
<td>Other information: None</td>
<td></td>
</tr>
</tbody>
</table>
Section 10. Stability And Reactivity

Reactivity: No specific test data related to reactivity available for this product or its ingredients
Chemical stability: Stable under recommended storage conditions.
Possibility of hazardous reactions: Under normal conditions of storage and used, hazardous reactions should not occur.
Conditions to avoid: No specific data
Incompatible materials: No specific data
Hazardous decomposition products: Under normal conditions of storage and used, hazardous decomposition products should not be produced.

Section 11. Toxicological Information

Information on toxicological effects
Acute toxicity

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>CAS</th>
<th>Result</th>
<th>Species</th>
<th>Dose</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kanamycin Sulfate</td>
<td>25389-94-0</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Irritation/Corrosion

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>Result</th>
<th>Species</th>
<th>Score</th>
<th>Exposure/Observation</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kanamycin Sulfate</td>
<td>-</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Sensitization: Not available
Mutagenicity: Not available

Carcinogenicity

<table>
<thead>
<tr>
<th>Product/Ingredient Name</th>
<th>OSHA</th>
<th>IARC</th>
<th>NTP</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kanamycin Sulfate</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Reproductive toxicity: Not available
Teratogenicity: Not available
Specific target organ toxicity- single exposure: Not available
Specific target organ toxicity- repeated exposure: Not available
Aspiration Hazard: Not available
Information on the likely routes of exposure
Routes of entry anticipated: Oral

Symptoms related to the physical, chemical and toxicological characteristics

Eye contact: No specific data
Inhalation: No specific data
Skin contact: No specific data
Ingestion: No specific data
Aspiration Hazard: No specific data

Delayed and immediate effects and also chronic effects from short and long term exposure
No known significant effects or critical hazards.

Numerical measures of toxicity
Not available

Section 12. Ecological Information
Toxicity

<table>
<thead>
<tr>
<th>Product/ingredient name</th>
<th>Result</th>
<th>Species</th>
<th>Exposure</th>
</tr>
</thead>
<tbody>
<tr>
<td>Kanamycin Sulfate</td>
<td>-</td>
<td>-</td>
<td>-</td>
</tr>
</tbody>
</table>

Persistence and degradability: Not available
Bioaccumulative potential: Not available
Mobility in soil: Not available
Other adverse effects: Not available
Aspiration Hazard: No known significant effects or critical hazards.

Section 13. Disposal Considerations
Waste treatment methods

Product waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations
Packaging waste: Dispose of content and/or container in accordance with local, regional, national, and/or international regulations
Section 14. Transport Information

<table>
<thead>
<tr>
<th>UN Number</th>
<th>UN proper shipping name</th>
<th>Transport hazard class(es)</th>
<th>Packaging group</th>
<th>Environmental Hazards</th>
</tr>
</thead>
<tbody>
<tr>
<td>DOT</td>
<td>Not regulated</td>
<td>-</td>
<td>-</td>
<td>none</td>
</tr>
<tr>
<td>IMDG</td>
<td>Not regulated</td>
<td>-</td>
<td>-</td>
<td>none</td>
</tr>
<tr>
<td>IATA</td>
<td>Not regulated</td>
<td>-</td>
<td>-</td>
<td>none</td>
</tr>
</tbody>
</table>

Transport in bulk according to Annex II of Marpol 73/78 and the IBC code
This product is provided only in non-bulk containers

Special Precautions for user
None specified

Section 15. Regulatory Information
## Safety health and environmental regulations/ legislation specific for the substance or mixture

<table>
<thead>
<tr>
<th>Regulation Type</th>
<th>Description</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sara</td>
<td></td>
<td>Not applicable</td>
</tr>
<tr>
<td>Section 355</td>
<td>Extremely hazardous substances</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>Section 313</td>
<td>Specific toxic chemical listings</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>SARA 311/312</td>
<td>Hazards</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>TSCA</td>
<td>(Toxic substances control act)</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>Proposition 65</td>
<td></td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>Carcinogenic categories</td>
<td></td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>EPA</td>
<td>Environmental protection agency</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>TLV</td>
<td>Threshold limit value established by ACGIH</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>NIOSH-CA</td>
<td>(National institute for occupational safety and health)</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>OSHA-CA</td>
<td>(occupational safety &amp; health administration)</td>
<td>Substance is not listed</td>
</tr>
<tr>
<td>GHS label elements</td>
<td></td>
<td>The product is classified and labeled according to the Globally Harmonized System (GHS).</td>
</tr>
</tbody>
</table>

### Hazard pictograms

- [Safety symbol]

### Decomposition temperature
- Not applicable

### Viscosity
- Not applicable

### Signal Word
- Danger

### Hazard-determining components of labeling
- Not applicable

### Hazard statements
- May damage fertility or the unborn child
- Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
- Use personal protective equipment as required. IF exposed or concerned: Get medical advice/attention.

### Precautionary statements

### National regulations
- Substance is not listed

### State right to know
- Substance is not listed

### Chemical safety assessment
- A Chemical Safety Assessment has not been carried out.
Section 16. Other Information

Disclaimer/Statement of Liability: The information contained herein is believed to be accurate but is not warranted to be so. Data and calculation are based on information furnished by the manufacturers of the components of the product. Uses are advised to confirm in advance of need that information is current, applicable and suited to the circumstance of use. Vendor assumes no responsibility for injury to vendee or third persons proximately caused by the material if reasonable safety procedures are not adhered to as stipulated in the data sheet. Furthermore, vendor assumes no responsibility for injury caused by abnormal use of this material even if reasonable safety procedures are followed. Any questions regarding this product should be directed to the manufacturer of the product as described in section 1.

Warranty
The above information is believed to be correct but does not purport to
Be all inclusive and shall be used only as a guide. Teknova, inc. Shall not be held liable for any damage resulting from handling or from contact with the above product.
Teknova, inc.

Key to abbreviations: NDA= No data available