GENTAMICIN SULFATE SOLUBLE POWDER

Section 1: Identification of the Substance and Suppler

Product Name: GEN-GARD
Recommended Use: Control and treatment of colibacillosis in weanling swine caused by strains of E. Coli sensitive to gentamicin, and for the control and treatment of swine dysentery associated with Treponema hyodysenteriae.

Company Details: Sparhawk Laboratories Inc. 12340 Santa Fe Trail Dr. Lenexa, Ks. 66215
Emergency Telephone: 800-424-9300
Date of Preparations: 11/11/15

Section 2: Hazards Identification

Hazard Classification: None
Priority Identifiers: Chronic or acute exposure or overdose may result in ototoxicity and nephrotoxicity. Suppression of adrenal gland, Cushing's syndrome, electrolyte imbalance, water retentions and hyperglycemia may also occur.
Secondary Identifiers: Avoid contact with skin, eyes and mucosa
Risk & Safety Phrases: None Applicable

Section 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS Number</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gentamicin Sulfate</td>
<td>1405-41-0</td>
<td>20.0 - 38.0%</td>
</tr>
<tr>
<td>Sodium Benzoate</td>
<td>532-32-1</td>
<td>0.1 - 4.0%</td>
</tr>
<tr>
<td>Lactose, Anhydrous</td>
<td>63-42-3</td>
<td>QS</td>
</tr>
</tbody>
</table>

Concentrations are listed as a range to protect proprietary information. The variations have no material effect on the safety data reported.

Section 4: First Aid Measures

Necessary First Aid Measures:
- Skin: Wash exposed area with soap and water for 15 min.
- Eyes: Flush with water keeping eyelids open for 15 min. If symptoms develop, contact a physician.
- Inhalation: Move to fresh air.
- Ingestion: Drink water and contact physician.

Section 5: Fire Fighting Measures

Type of Hazard: Not classified as flammable
Fire Hazard Properties: None Applicable
Regulatory Requirements: None Applicable
Extinguishing Media and Methods: Self-contained breathing apparatus gloves and goggles. Dispose of following Federal, State and local disposal regulations. Keep away from possible ignition sources.
Hazchem Code: None Applicable
Recommended Protective Clothing: Self-contained breathing apparatus gloves and goggles.

Section 6: Accidental Release Measures

Emergency Procedures:
- Large spills: Use suitable absorbent, place in DOT packaging and dispose of according to local, state and federal regulations.
SAFETY DATA SHEET

Section 7: Handling and Storage

Precautions for Safe Handling
Avoid contact with Skin, eyes and mucosa. Keep container adequately sealed during transfer, transport or when not in use.

Regulatory Requirements
None Required

Handling Practices
Avoid contact with Skin, eyes and mucosa. Keep container adequately sealed when not in use.

Approved Handlers
Not Required

Conditions for Safe Storage
Store between 2°C and 30°C (36°F and 86°F)

Store Site Requirements
Store tightly capped in a cool, dry area, away from heat or open flame.

Section 8: Exposure control/Personal Protection

Workplace Exposure Standards
None Applicable

Application in the workplace
None Applicable

Exposure standards outside the workplace
None Applicable

Personal protection
Wear positive pressure, self-contained breathing apparatus. Waterproof gloves, preferably elbow length for prolonged or repeated exposure. NIOSH approved safety glasses or goggles.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>White powder</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>None Applicable</td>
</tr>
<tr>
<td>Melting/Softening point</td>
<td>None Applicable</td>
</tr>
<tr>
<td>Vapor Pressure</td>
<td>None Applicable</td>
</tr>
<tr>
<td>Specific Gravity</td>
<td>None Applicable</td>
</tr>
<tr>
<td>Solubility (H₂O)</td>
<td>Complete</td>
</tr>
<tr>
<td>Percent Volatiles</td>
<td>None Applicable</td>
</tr>
<tr>
<td>Evaporation Rates</td>
<td>None Applicable</td>
</tr>
</tbody>
</table>

Section 10: Stability and Reactivity

Stability of the Substance
Stable

Conditions to Avoid
Extreme Heat/Strong Oxidizers

Material to Avoid
Oxidizing agents

Hazardous Decomposition Products
Carbon Oxides, sulfur oxides and nitrogen oxides

Section 11: Toxicological Information

Acute effects for individual ingredients only

Ototoxicity and nephrotoxicity: Suppression of adrenal gland, Cushing’s syndrome, electrolyte imbalance, water retention and hyperglycemia may occur
## Section 12: Environmental Information

**Effects for individual ingredients only**

| Not Determined |

## Section 13: Disposal Considerations

### Disposal Information
Collect large spills with suitable absorbent material, place in DOT containers and dispose of according to local, state and federal regulations

### Reference
None Applicable

## Section 14: Transport Information

### Relevant Information
Not classified as a dangerous good for transport

## Section 15: Regulatory Information

### Regulatory Status
ANADA 200-185, Approved by F.D.A.

## Section 16: Other Information

### Additional Information
For use in swine drinking water only. Restricted drug (California) Use only as directed. Keep out of reach of children.