SAFETY DATA SHEET

HIGH POTENCY VITAMIN B COMPLEX INJECTION

Section 1: Identification of the Substance and Supplier

Product Name
High Potency Vitamin B Complex Injection

Recommended Use
For use as a supplemental source of B Complex vitamins in Cattle, Sheep and swine.

Company Details
Sparhawk Laboratories Inc. 12340 Santa Fe Trail Dr. Lenexa, Ks. 66215

Emergency Telephone
800-424-9300

Date of Preparations
11-09-15

Section 2: Hazards Identification

Hazard Classification
None

Priority Identifiers
Warning

Secondary Identifiers
Acute overexposure may cause irritation to eyes and skin. Large amounts ingested may cause nausea or vomiting.

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>Benzyl Alcohol</td>
<td>100-51-6</td>
<td>1.5% v/v</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>0.05 mg</td>
</tr>
<tr>
<td>Cyanocobalamin</td>
<td>68-19-9</td>
<td>100.0 mcg</td>
</tr>
<tr>
<td>Niacinamide</td>
<td>98-92-0</td>
<td>100.0 mg</td>
</tr>
<tr>
<td>d-Panthenol</td>
<td>81-13-0</td>
<td>10.0 mg</td>
</tr>
<tr>
<td>Pyridoxine</td>
<td>58-56-0</td>
<td>10.0 mg</td>
</tr>
<tr>
<td>Riboflavin 5’ Phos Sod</td>
<td>130-40-5</td>
<td>5.0 mg</td>
</tr>
<tr>
<td>Thiamine</td>
<td>67-03-8</td>
<td>100.0 mg</td>
</tr>
<tr>
<td>Butylated Hydroxyanisole</td>
<td>25013-16-5</td>
<td>0 – 1%</td>
</tr>
<tr>
<td>Citric Acid</td>
<td>77-92-9</td>
<td>0 – 1%</td>
</tr>
<tr>
<td>Propyl Gallate</td>
<td>121-79-9</td>
<td>0 – 1%</td>
</tr>
<tr>
<td>Propylene Glycol</td>
<td>57-55-6</td>
<td>0 – 1%</td>
</tr>
<tr>
<td>Water for Injection</td>
<td>7732-18-5</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
Eyes: Flush with large amounts of water and seek medical attention.
Skin: Thoroughly wash area with soap and water
Inhalation: Provide fresh air and if necessary give oxygen
Ingestion: Give several glasses of water to dilute. If large amounts swallowed, seek medical attention.

Section 5: Fire Fighting Measures

Type of Hazard
Not classified as flammable.

Fire Hazard Properties
None Applicable

Regulatory Requirements
None Applicable
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Extinguishing Media and Methods
Water fog, alcohol foam dry chemical or carbon dioxide for surrounding fire.

Hazchem Code
None Allocated

Recommended Protective Clothing
Self-contained breathing apparatus and protective clothing.

Section 6: Accidental Release Measures
Emergency Procedures
Protective clothing. Absorb spill on inert material and place in appropriate waste container for disposal. Flush area with detergent and water. Follow Federal, State and local disposal requirements.

Section 7: Handling and Storage
Precautions for Safe Handling
Avoid contact with skin, eyes and mucosa. Keep containers adequately sealed during material transfer, transport or when not in use.

Regulatory Requirements
None Required

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

Approved Handlers
Not Required

Conditions for Safe Storage
Store at controlled room temperature between 15° and 30°C (59° – 86°F)

Store Site Requirements
Protect from light.

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
Self-contained breathing apparatus, rubber gloves and goggles.

Section 9: Physical and Chemical Properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Clear yellow liquid</td>
</tr>
<tr>
<td>Boiling Point</td>
<td>217°F (103°C)</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>Not Determined</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

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stability of the Substance</td>
<td>Stable</td>
</tr>
<tr>
<td>Conditions to Avoid</td>
<td>None</td>
</tr>
<tr>
<td>Material to Avoid</td>
<td>Do not mix with strong bases.</td>
</tr>
<tr>
<td>Hazardous Decomposition Products</td>
<td>Exposure to fire may yield carbon monoxide and carbon dioxide fumes.</td>
</tr>
</tbody>
</table>
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**Section 11: Toxicological Information**

Acute effects for individual ingredients only

Acute overexposure may cause irritation to eyes and skin. Ingestion of large amounts may cause nausea or vomiting.

**Section 12: Environmental Information**

Effects for individual ingredients only

None Applicable

**Section 13: Disposal Considerations**

<table>
<thead>
<tr>
<th>Disposal Information</th>
<th>Absorb spill on inert material and place in appropriate waste container for disposal. Flush area with detergent and water. Follow Federal, State and local disposal requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Reference</td>
<td>None Applicable</td>
</tr>
</tbody>
</table>

**Section 14: Transport Information**

Relevant Information

Not classified as a dangerous good for transport.

**Section 15: Regulatory Information**

Regulatory Status

None Applicable

**Section 16: Other Information**

Additional Information

Keep out of reach of children. For animal use only.