SECTION 1: Product and Company Identification

Product name: Buffermin® Zinc Proteinate
Product code: 1101 / 1117 / 1118
Product use: Animal feed additive
Product type: Solid, powder

Manufacturer: JH Biotech, Inc.,
4951 Olivas Park Drive, Ventura, CA 93003
Tel: (805)650-8933       Fax: (805)650-8942
info@jhbiotech.com

Emergency telephone: (800)428-3493 (within the United States)
(805)650-8933 (outside the United States)

SECTION 2: Hazards Identification

Contact with eyes may cause irritation. Inhalation of dust may cause nose, throat, or respiratory irritation. May be harmful if swallowed.

SECTION 3: Composition/Information on Ingredients

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS No.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Zinc proteinate</td>
<td>Not available</td>
</tr>
<tr>
<td>Hydrolyzed protein</td>
<td>Not available</td>
</tr>
</tbody>
</table>

SECTION 4: First Aid Measures

Inhalation: Remove from source of exposure. Get medical attention if necessary.
Skin contact: Wash thoroughly with soap and water. Get medical attention if necessary.
Eye contact: Wash eyes with plenty of water for at least 15 minutes. Be sure to remove contact lenses. Get medical attention if necessary.
Ingestion: Wash out mouth with plenty of water. Do not induce vomiting. Get medical attention if necessary.

SECTION 5: Firefighting Measures

Suitable extinguishing media
Water spray, dry chemical, carbon dioxide, foam

Special hazards arising from the substance or mixture
Not available

Protection for firefighters
Wear protective clothing and equipment
SECTION 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures
Wear protective clothing, gloves, and safety eye goggles.

Environmental precautions
Not available

Methods and material for containment and cleaning up
Contain all spills and leaks to prevent discharge into the environment. Use appropriate tools to transfer spill material to proper disposal container. Or recover material and use it for its intended purpose.

SECTION 7: Handling and Storage

Precautions for safe handling
Avoid overheating or freezing

Conditions for safe storage, including any incompatibilities
Store in a cool, dry, well-ventilated area away from direct sunlight. Keep containers tightly closed when not in use.

Specific end use(s)
Not available

SECTION 8: Exposure Controls/Personal Protection

Personal Protection
Eye protection: Eye protection is not required. To avoid contact with eyes, use safety eye goggles.
Skin protection: Wear protective clothing as necessary to minimize contact. Use chemical resistant gloves.
Respiratory protection: Not required

SECTION 9: Physical and Chemical Properties

Information on basic physical and chemical properties

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Appearance</td>
<td>Beige powder</td>
</tr>
<tr>
<td>Odor</td>
<td>Not available</td>
</tr>
<tr>
<td>pH</td>
<td>Not available</td>
</tr>
<tr>
<td>Melting point/freezing point</td>
<td>Not available</td>
</tr>
<tr>
<td>Boiling point</td>
<td>100°C/212°F</td>
</tr>
<tr>
<td>Flash point</td>
<td>Not available</td>
</tr>
<tr>
<td>Evaporation rate</td>
<td>Not available</td>
</tr>
<tr>
<td>Flammability</td>
<td>Not available</td>
</tr>
<tr>
<td>Explosive limits</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor pressure</td>
<td>Not available</td>
</tr>
<tr>
<td>Vapor density</td>
<td>Not available</td>
</tr>
</tbody>
</table>
Relative density | Not available
Solubility | Partially soluble in water
Partition coefficient | Not available
Auto-ignition temperature | Not available
Decomposition temperature | Not available
Viscosity | Not available
Explosive properties | Non explosive
Oxidizing properties | Not available

SECTION 10: Stability and Reactivity

Reactivity
Not available

Chemical stability
Product is stable.

Possibility of hazardous reactions
Under normal conditions, hazardous reaction will not occur.

Conditions to avoid
Avoid heat, moisture, and sunlight.

Incompatible materials
Not available

Hazardous decomposition products
Not available

SECTION 11: Toxicological Information

Information on toxicological effects
Acute toxicity: Not available
Irritation: Not available
Corrosivity: Not available
Sensitization: Not available
Dose toxicity: Not available
Carcinogenicity: Not available
Mutagenicity: Not available
Reproductive toxicity: Not available

SECTION 12: Ecological Information

Ecotoxicity
Not available

Persistence and degradability
Not available
Bioaccumulative potential
Not available

Mobility in soil
Not available

SECTION 13: Disposal Considerations

Waste treatment methods
Not hazardous waste. Dispose of product in accordance with regulations.

SECTION 14: Transport Information

UN number: Not available
UN proper shipping name: Not available
Transport hazard class(es): Not available
Packing group: Not available
Environmental hazards: Not available
Special precautions for user: Not available

SECTION 15: Regulatory Information

Safety, health and environmental regulations/legislation specific for the product
Not available

SECTION 16: Other Information

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