Sustain III Cattle Bolus (Sulfamethazine Cattle Bolus)
Safety Data Sheet
According To Federal Register / Vol. 77, No. 58 / Monday, March 26, 2012 / Rules And Regulations
Revision Date: 11/12/2015 Date of issue: 11/12/2015

SECTION 1: IDENTIFICATION

1.1. Product Identifier
Product Form: Mixture
Product Name: Sustain III Cattle Bolus (Sulfamethazine Cattle Bolus)

1.2. Intended Use of the Product
Use of the substance/mixture: Veterinary Antibiotic.

1.3. Name, Address, and Telephone of the Responsible Party
Company
Bimeda Inc.
One Tower Lane
Oakbrook Terrace Tower
Oakbrook Terrace, IL 60181
T 630-928-0361
F 630-928 0362
www.bimedaus.com

1.4. Emergency Telephone Number
Emergency Number: 519-654-8055, 800-424-9300 CHEMTREC (in US); +1 703-527-3887 CHEMTREC (International and Maritime)

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the Substance or Mixture
GHS-US classification
Not classified

2.2. Label Elements
GHS-US Labeling
No labeling applicable

2.3. Other Hazards
Exposure may aggravate those with pre-existing eye, skin, or respiratory conditions.

2.4. Unknown Acute Toxicity (GHS-US)
No data available

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substance
Not applicable

3.2. Mixture*

<table>
<thead>
<tr>
<th>Name</th>
<th>Product Identifier</th>
<th>%</th>
<th>GHS-US classification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sulfamethazine</td>
<td>(CAS No) 57-68-1</td>
<td>92.96</td>
<td>Not classified</td>
</tr>
<tr>
<td>Proprietary Component A</td>
<td>Proprietary</td>
<td>1 - 10</td>
<td>Combl. Dust</td>
</tr>
<tr>
<td>Proprietary Component B</td>
<td>Proprietary</td>
<td>1 - 10</td>
<td>Combl. Dust</td>
</tr>
</tbody>
</table>

*The specific chemical identity and/or exact percentage of composition have been withheld as a trade secret in accordance with Paragraph 1910.1200 of Title 29 of the Code of Federal Regulations.

Full text of H-phrases: see section 16

SECTION 4: FIRST AID MEASURES

4.1. Description of First Aid Measures
First-aid Measures General: Never give anything by mouth to an unconscious person. If you feel unwell, seek medical advice (show the label where possible).

First-aid Measures After Inhalation: When symptoms occur: go into open air and ventilate suspected area. Obtain medical attention if breathing difficulty persists.

First-aid Measures After Skin Contact: Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Obtain medical attention if irritation develops or persists.

First-aid Measures After Eye Contact: Rinse cautiously with water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Obtain medical attention.

First-aid Measures After Ingestion: Rinse mouth. Do NOT induce vomiting. Obtain medical attention.
4.2. Most important symptoms and effects, both acute and delayed
Symptoms/Injuries: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/Injuries After Inhalation: Prolonged exposure may cause irritation.
Symptoms/Injuries After Skin Contact: Prolonged exposure may cause skin irritation.
Symptoms/Injuries After Eye Contact: May cause slight irritation to eyes.
Symptoms/Injuries After Ingestion: Ingestion may cause adverse effects.

4.3. Indication of Any Immediate Medical Attention and Special Treatment Needed
If exposed or concerned, get medical advice and attention. If medical advice is needed, have product container or label at hand.

SECTION 5: FIRE-FIGHTING MEASURES

5.1. Extinguishing Media
Suitable Extinguishing Media: Water spray, dry chemical, foam, carbon dioxide.
Unsuitable Extinguishing Media: Do not use a heavy water stream. Use of heavy stream of water may spread fire.

5.2. Special Hazards Arising From the Substance or Mixture
Fire Hazard: Not considered flammable but may burn at high temperatures.
Explosion Hazard: Product is not explosive.
Reactivity: Hazardous reactions will not occur under normal conditions.

5.3. Advice for Firefighters
Precautionary Measures Fire: Exercise caution when fighting any chemical fire.
Firefighting Instructions: Use water spray or fog for cooling exposed containers.
Protection During Firefighting: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal Precautions, Protective Equipment and Emergency Procedures
General Measures: Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust.

6.1.1. For Non-emergency Personnel
Protective Equipment: Use appropriate personal protection equipment (PPE).

6.1.2. For Emergency Responders
Protective Equipment: Equip cleanup crew with proper protection.
Emergency Procedures: Ventilate area. Upon arrival at the scene, a first responder is expected to recognize the presence of dangerous goods, protect oneself and the public, secure the area, and call for the assistance of trained personnel as soon as conditions permit.

6.2. Environmental Precautions
Prevent entry to sewers and public waters.

6.3. Methods and Material for Containment and Cleaning Up
For Containment: Contain solid spills with appropriate barriers and prevent migration and entry into sewers or streams.
Methods for Cleaning Up: Clean up spills immediately and dispose of waste safely. Recover the product by vacuuming, shoveling or sweeping. Transfer spilled material to a suitable container for disposal. Contact competent authorities after a spill.

6.4. Reference to Other Sections
See Heading 8. Exposure controls and personal protection. See Section 13, Disposal Considerations.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for Safe Handling
Precautions for Safe Handling: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Avoid prolonged contact with eyes, skin and clothing. Avoid breathing dust.
Hygiene Measures: Handle in accordance with good industrial hygiene and safety procedures.

7.2. Conditions for Safe Storage, Including Any Incompatibilities
Technical Measures: Comply with applicable regulations.
Storage Conditions: Keep container closed when not in use. Store in a dry, cool place. Keep/Store away from direct sunlight, extremely high or low temperatures and incompatible materials.
Incompatible Products: Strong acids, strong bases, strong oxidizers.

7.3. Specific End Use(s)
Veterinary Antibiotic.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control Parameters
For substances listed in section 3 that are not listed here, there are no established exposure limits from the manufacturer, supplier, importer, or the appropriate advisory agency including: ACGIH (TLV), AIHA (WEEL), NIOSH (REL), or OSHA (PEL).
8.2 Exposure Controls

Appropriate Engineering Controls: Emergency eye wash fountains and safety showers should be available in the immediate vicinity of any potential exposure. Ensure adequate ventilation, especially in confined areas. Ensure all national/local regulations are observed.

Personal Protective Equipment: Gloves.

Materials for Protective Clothing: Not required but suggested: Chemically resistant materials and fabrics.

Hand Protection: Not required but suggested: Wear protective gloves.

Eye Protection: Not required but suggested: Chemical safety goggles.

Skin and Body Protection: Wear suitable protective clothing.

Respiratory Protection: If exposure limits are exceeded or irritation is experienced, approved respiratory protection should be worn. In case of inadequate ventilation, oxygen deficient atmosphere, or where exposure levels are not known wear approved respiratory protection.

Other Information: When using, do not eat, drink or smoke.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on Basic Physical and Chemical Properties

Physical State: Solid

Appearance: White

Odor: No data available

Odor Threshold: No data available

pH: No data available

Evaporation Rate: No data available

Melting Point: No data available

Freezing Point: No data available

Boiling Point: No data available

Flash Point: No data available

Auto-ignition Temperature: No data available

Decomposition Temperature: No data available

Flammability (solid, gas): No data available

Vapor Pressure: No data available

Relative Vapor Density at 20 °C: No data available

Relative Density: No data available

Solubility: No data available

Partition Coefficient: N-Octanol/Water: No data available

Viscosity: No data available

9.2. Other Information: No additional information available

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: Hazardous reactions will not occur under normal conditions.

10.2. Chemical Stability: Stable under recommended handling and storage conditions (see section 7).

10.3. Possibility of Hazardous Reactions: Hazardous polymerization will not occur.

10.4. Conditions to Avoid: Direct sunlight, extremely high or low temperatures, and incompatible materials.

10.5. Incompatible Materials: Strong acids, strong bases, strong oxidizers.


SECTION 11: TOXICOLOGICAL INFORMATION

11.1. Information On Toxicological Effects

Acute Toxicity: Not classified

<table>
<thead>
<tr>
<th>Proprietary Component A</th>
<th>LD50 Oral Rat</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
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<thead>
<tr>
<th>Proprietary Component B</th>
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<tbody>
<tr>
<td>LD50 Oral Rat           &gt; 2000 mg/kg</td>
</tr>
<tr>
<td>LC50 Inhalation Rat     &gt; 2 mg/l/4h</td>
</tr>
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</table>

**Skin Corrosion/Irritation:** Not classified
**Serious Eye Damage/Irritation:** Not classified
**Respiratory or Skin Sensitization:** Not classified
**Carcinogenicity:** Not classified

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<tr>
<td>IARC group               3</td>
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**Reproductive Toxicity:** Not classified
**Specific Target Organ Toxicity (Single Exposure):** Not classified
**Specific Target Organ Toxicity (Repeated Exposure):** Not classified
**Aspiration Hazard:** Not classified
**Symptoms/Injuries After Inhalation:** Prolonged exposure may cause irritation.
**Symptoms/Injuries After Skin Contact:** Prolonged exposure may cause skin irritation.
**Symptoms/Injuries After Eye Contact:** May cause slight irritation to eyes.
**Symptoms/Injuries After Ingestion:** Ingestion may cause adverse effects.

### SECTION 12: ECOLOGICAL INFORMATION

**12.1. Toxicity**

Ecology - General: Not classified.

**12.2. Persistence and Degradability**

Sustain III Cattle Bolus (Sulfamethazine Cattle Bolus)

Persistence and Degradability: Not established.

**12.3. Bioaccumulative Potential**

Sustain III Cattle Bolus (Sulfamethazine Cattle Bolus)

Bioaccumulative Potential: Not established.

**12.4. Mobility in Soil**

No additional information available

**12.5. Other Adverse Effects**

Other Information: Avoid release to the environment.

### SECTION 13: DISPOSAL CONSIDERATIONS

**13.1. Waste treatment methods**

Waste Disposal Recommendations: Dispose of contents/container in accordance with local, regional, national, and international regulations.

Additional Information: Container may remain hazardous when empty. Continue to observe all precautions.


### SECTION 14: TRANSPORT INFORMATION

**14.1. In Accordance with DOT**

Not regulated for transport

**14.2. In Accordance with IMDG**

Not regulated for transport

**14.3. In Accordance with IATA**

Not regulated for transport

### SECTION 15: REGULATORY INFORMATION

**15.1 US Federal Regulations**

Sulfamethazine (57-68-1)

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Component A

Listed on the United States TSCA (Toxic Substances Control Act) inventory

Proprietary Component B

Listed on the United States TSCA (Toxic Substances Control Act) inventory

**15.2 US State Regulations**

Neither this product nor its chemical components appear on any US state lists.

11/12/2015 EN (English US)
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SECTION 16: OTHER INFORMATION, INCLUDING DATE OF PREPARATION OR LAST REVISION

<table>
<thead>
<tr>
<th>Revision Date</th>
<th>11/12/2015</th>
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</thead>
<tbody>
<tr>
<td>Other Information</td>
<td>This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.</td>
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GHS Full Text Phrases:

<table>
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<th>Comb. Dust</th>
<th>Combustible Dust</th>
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<tr>
<td>Comb. Dust</td>
<td>May form combustible dust concentrations in air</td>
</tr>
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This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.

SDS US (GHS HazCom)