SECTION 1 - EMERGENCY TELEPHONE
For 24-hour emergency assistance, contact Chem-tel 1-800-255-3924/Contract# MIS0004517

SECTION 2 - DISTRIBUTOR INFORMATION
Vanco Industries LLC®
799 W. 200 N.
Paul, ID 83347
(208) 312-3160

SECTION 3 – PRODUCT AND COMPANY IDENTIFICATION
Product Name: AdVANTAGE COMPLETE Foot Bath Solution
Synonyms: AdVANTAGE COMPLETE
Product Use: Livestock hoof care
Chemical Formula: See components below
CAS Number: See components below

SECTION 4 – COMPOSITION AND INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Component</th>
<th>CAS Number</th>
<th>% (by weight)</th>
<th>Exposure Limits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>7732-18-5</td>
<td>70 – 90</td>
<td>N/A</td>
</tr>
<tr>
<td>Sulfuric Acid</td>
<td>7664-93-9</td>
<td>Less than 10</td>
<td>N/A</td>
</tr>
<tr>
<td>Copper Sulfate</td>
<td>7758-99-8</td>
<td>Less than 10</td>
<td>N/A</td>
</tr>
<tr>
<td>Zinc Sulfate</td>
<td>7446-19-7</td>
<td>Less than 10</td>
<td>N/A</td>
</tr>
<tr>
<td>Inert Ingredients</td>
<td></td>
<td>Less than 10</td>
<td>N/A</td>
</tr>
</tbody>
</table>

SECTION 5 – HAZARDS IDENTIFICATION
Emergency Overview: Clear, water-white to light yellow liquid that is classified as a corrosive by DOT. Causes skin and eye irritation on contact. Avoid breathing vapor or mist. Keep container closed. Use only with adequate ventilation. Wash thoroughly after handling.
Eye Contact: Causes mild to severe irritation. May cause burn if not flushed with water.
Skin Contact: Prolonged exposure may cause moderate irritation. May cause burn if not flushed with water.
Inhalation: Mist and vapors can cause varying degrees of irritation of the nose, throat and respiratory tract.
Ingestion: Will cause irritation or burn digestive tract. Ingestion is not a typical route of occupational exposure.
Chronic (Cancer) Information: Not known to cause cancer. Components not listed as carcinogens by IARC, NTP or OSHA.
Reproduction Information: N/A
Potential Environmental Effects: Readily mixes with water to form a weak acid solution. The low pH may be harmful to plant and animal organisms found in soil and in surface waters. Therefore, keep out of streams and ditches.

SECTION 6 – FIRST AID MEASURES
Note To Physician: Supportive care. Treatment based on judgment of the physician in response to reactions of the patient. Treat as a corrosive and possible sulfur allergy reactions.
Eyes: Immediately flush eyes with water for at least 15 minutes, lifting eyelids to thoroughly flush. If redness or irritation persists, get prompt medical attention.
Skin: Immediately flush affected area with water for at least 15 minutes. If burn occurs, seek immediate medical attention.
Inhalation: Move victim to fresh air. If irritation persists, obtain medical care immediately.
Ingestion: If ingested drink large quantities of water. DO NOT induce vomiting. Contact physician immediately.
SECTION 7 – FIRE FIGHTING MEASURES
Flammable Properties: Not applicable. Material will not burn.
Flammable Limits: Not applicable. Material is non-combustible.
Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Hazardous Combustion Products: At elevated temperatures (1200°F) the product will decompose generating oxides of sulfur. Material may react with some metals to give off flammable hydrogen gas.
Fire Fighting Instructions: Product readily mixes with water to form a weak acid solution. If using water, wear acid protective equipment. No gases or toxic fumes are emitted from this reaction. However, if elevated temperatures are reached, self-contained breathing apparatus should be worn.

SECTION 8 – ACCIDENTAL RELEASE MEASURES
Land Spill: Contain and vacuum up material and place in disposal container. Dilute residual material with ample supply of water and neutralize with sodium bicarbonate or limestone. Prevent liquid from entering sewers and waterways. Dike with sand or soil to contain spill.
Water Spill: Readily mixes with water to form a weak acid solution. If water is isolated or can be contained, neutralize with weak alkaline solution. Notify appropriate authorities if required by regulations.

SECTION 9 – HANDLING AND STORAGE
Handling: Wear all recommended personal protective clothing when handling. Avoid contact with eyes and skin. Wash thoroughly after handling.
Storage: Keep containers tightly closed. DO NOT store near strong alkalis. Keep away from excessive heat (>125°F).

SECTION 10 – EXPOSURE CONTROLS AND PERSONAL PROTECTION
Engineering Controls: Provide general and/or local exhaust ventilation to maintain good air quality and reduce fumes/odors.
Respiratory Protection: Do not breathe vapors or mists. Use with adequate ventilation or use NIOSH approved air-purifying respirator equipped with acid gas/fume, mist cartridges.
Skin Protection: Wear neoprene, vinyl, PVC or rubber gloves. Use splash aprons, slicker suits and rubber boots as needed.
Eye Protection: Face shield, safety glasses or goggles should be worn.
General Hygiene Considerations: There are no known health hazards associated with this material when used as recommended. Follow good industrial hygiene practices including but not limited to: (1) wash hands after use and before eating; (2) avoid skin contact; and (3) wear safety glasses.

SECTION 11 – PHYSICAL AND CHEMICAL PROPERTIES
Appearance: Bluish color
Odor: Fresh, no apparent odor
Physical State: Liquid
Solubility: Very soluble in water
Molecular Formula: N/A. See section 4 for list of components.
P:-0.5
Specific Gravity @ 25°C: 1.19
Boiling Point, °F: 260
Freezing Point, °F: 30
SECTION 12 – STABILITY AND REACTIVITY

Stability: Stable
Incompatibility: Avoid contact with strong alkaline material such as caustics, and strong reducing agents.
Conditions to Avoid: Freezing and elevated temperatures.

Hazardous Decomposition Products: Sulfuric acid vapors may be released upon heating and sulfur oxides may be released upon decomposition.
Hazardous Polymerization: Will not occur.

SECTION 13 – TOXICOLOGICAL INFORMATION

Reported Human Effects: No human data is available for this product.
Reported Animal Effects: No animal data is available for this product.
Skin & Eye Irritation: May occur with over exposure. May cause allergic reactions similar to sulfur allergies.

SECTION 14 – ECOLOGICAL INFORMATION

Ecotoxicological Information: This product readily mixes with water to form a weak acid solution. The low pH component is harmful to many plant and animal organisms.
Chemical Fate Information: Material will lower the pH of soil. The pH can be adjusted using sodium bicarbonate or limestone.

SECTION 15 – DISPOSAL CONSIDERATIONS

Neutralize with sodium bicarbonate or limestone and dispose of in accordance with local, state and federal laws and regulations.

SECTION 16 – TRANSPORTATION INFORMATION

DOT proper shipping name: Corrosive liquid, acidic, inorganic, n.o.s. (Sulfuric Acid)
DOT Hazard Class/ID#: Class 8 / UN3264 / PG III
DOT Label: Corrosive

SECTION 17 – REGULATORY INFORMATION

NFPA Rating: Health – 1  Reactivity – 1  Flammability – 0  Special Precautions – None

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