IDENTITY (As Used on Label and List)  
ASCORBIC ACID

The information contained herein is based on data considered accurate; however, no warranty either implied or expressed of any nature with respect to the product or the data is made.

**Section I**

Manufacturer's Name  
ANIMAL SCIENCE PRODUCTS

Emergency Telephone Number  
1-800-424-9300 CHEMTREC

Address (Number, Street, City, and ZIP Code)  
FM 1275 SOUTH, NACOGDOCHES, TX, 75963-1408

Telephone Number for Information  
1-800-657-2324 ANIMAL SCIENCE PRODUCTS

Date Prepared  
04/13/94

Signature of Preparer (optional)

**Section II-Hazardous Ingredients/Identity Information**

<table>
<thead>
<tr>
<th>Hazardous Components (Specific Chemical Identity; Common Name(s))</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Other limits Recommended</th>
<th>% (optional)</th>
</tr>
</thead>
<tbody>
<tr>
<td>None</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**Section III - Physical/Chemical Characteristics**

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Boiling Point</td>
<td>NA</td>
</tr>
<tr>
<td>Specific Gravity (H₂O = 1)</td>
<td>1.65</td>
</tr>
<tr>
<td>Vapor Pressure (mm Hg.)</td>
<td>NA</td>
</tr>
<tr>
<td>Melting Point</td>
<td>192°C</td>
</tr>
<tr>
<td>Vapor Density (AIR = 1)</td>
<td>NA</td>
</tr>
<tr>
<td>Evaporation Rate (Butyl Acetate = 1)</td>
<td>NA</td>
</tr>
</tbody>
</table>

Solubility in water: NA

Appearance and Odor: White to slightly off-white granular powder or crystals; nearly odorless with a pleasantly tart taste.

**Section IV - Fire and Explosion Hazard Data**

Flash Point (Method Used):  
Flammable Limits: NA  
LEL NA  
LEL NA

Extinguishing Media: Water spray, dry chemical, carbon dioxide or foam, as appropriate for surrounding fire and materials.

Special Fire Fighting Procedures: Evacuate personnel to an area of upwind direction and remove unneeded materials.

Unusual Fire Fighting and Explosion Hazards: Keep fire-exposed containers cool with water spray, and provide fire fighters with self contained breathing equipment.
### Section V - Reactivity Data

<table>
<thead>
<tr>
<th>Stability</th>
<th>Conditions to Avoid: Moisture, light especially if in aqueous solution (promotes oxidation)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Unstable</td>
<td></td>
</tr>
<tr>
<td>Stable XXX</td>
<td></td>
</tr>
</tbody>
</table>

Compatibility (Materials to Avoid): Alkalis, iron, copper, water, air oxidizing agents (metal ions catalyze; oxidation) do not formulate with sodium salicylate, sodium nitrate.

### Section VI - Health Hazard Data

- **Route(s) of Entry:** Inhalation? Skin? Yes Ingestion? Yes Eyes? Yes

- **Health Hazards (Acute and Chronic):**
  - **Ingestion:** Industrial Exposure: No adverse clinical findings have been reported at dose levels of 9000 mg/day or less, orally in man. At a level of 50-80 g/day for a week to 10 days, there was some gastroenteritis and anal irritation; amounts of 1g/day may cause diarrhea; 4-12 g/day can cause formation of urate and cystine stones on the urinary bladder.

- **Carcinogenicity:** NA NTP? IARC Monographs? OSHA Regulated?

- **Signs of Symptoms of Exposure:**

- **Medical Conditions Generally Aggravated by Exposure:** NA

- **Emergency and First Aid Procedures:**
  - **Eye contact:** Irrigate surfaces with water thoroughly.
  - **Skin contact:** Flush areas with water thoroughly.
  - **Ingestion:** Drink large quantities of water to combat the dehydrating effect.

### Section VII - Precautions for Safe Handling and Use

- **Steps to Be Taken in Case Material is Released or Spilled:** Scoop up all spills and transfer to labeled containers.

- **Waste Disposal Method:** Recycle

- **Precautions to Be Taken in Handling and Storing:** Store within tightly-sealed containers in a dark, moisture-free place at temperatures of 8-15°C. After opening container, avoid exposing it to heat and humidity.

- **Other Precautions:** NA

### Section VIII - Control Measures

- **Respiratory Protection (Specify Type):** NIOSH-approved dust respirator

- **Ventilation:**
  - Local Exhaust: Special: NA
  - Mechanical (General): Acceptable Other: NA

- **Protective Gloves:** Rubber Eye Protection: Safety goggles

- **Other Clothing or Equipment:** NA

- **Work/Hygienic Practices:** NA