Material Safety Data Sheet

Section 1. Chemical Product and Company Identification

<table>
<thead>
<tr>
<th>NFPA</th>
<th>HMIS</th>
<th>Personal Protective Equipment</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>See Section 15.</td>
</tr>
</tbody>
</table>

**Common Name/Trade Name**

Ammonium tartrate

**Manufacturer**

SPECTRUM QUALITY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Commercial Name(s)**

Not available.

**Synonym**

Not available.

**Chemical Name**

Not available.

**Chemical Family**

Not available.

**Chemical Formula**

C4H12N2O6

**Supplier**

SPECTRUM QUALITY PRODUCTS INC.
14422 S. SAN PEDRO STREET
GARDENA, CA 90248

**Catalog Number(s).**

A1265

**CAS#**

3164-29-2

**RTECS**

WW8050000

**TSCA**

TSCA 8(b) inventory: Ammonium tartrate

**CI#**

Not available.

**IN CASE OF EMERGENCY**

CHEMTREC (24hr) 800-424-9300

CALL (310) 516-8000

Section 2. Composition and Information on Ingredients

<table>
<thead>
<tr>
<th>Name</th>
<th>CAS #</th>
<th>TWA (mg/m³)</th>
<th>STEL (mg/m³)</th>
<th>CEIL (mg/m³)</th>
<th>% by Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>1) Ammonium tartrate</td>
<td>3164-29-2</td>
<td></td>
<td></td>
<td></td>
<td>100</td>
</tr>
</tbody>
</table>

**Toxicological Data on Ingredients**

Ammonium tartrate

LD50: Not available.

LC50: Not available.

Section 3. Hazards Identification

**Potential Acute Health Effects**

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**Potential Chronic Health Effects**

Hazardous in case of skin contact (irritant), of eye contact (irritant), of ingestion, of inhalation.

**CARCINOGENIC EFFECTS**

Not available.

**MUTAGENIC EFFECTS**

Not available.

**TERATOGENIC EFFECTS**

Not available.

**DEVELOPMENTAL TOXICITY**

Not available.

Continued on Next Page
**Section 4. First Aid Measures**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye Contact</td>
<td>Check for and remove any contact lenses. In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Cold water may be used. Get medical attention.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>In case of contact, immediately flush skin with plenty of water. Cover the irritated skin with an emollient. Remove contaminated clothing and shoes. Cold water may be used. Wash clothing before reuse. Thoroughly clean shoes before reuse. Get medical attention.</td>
</tr>
<tr>
<td>Serious Skin Contact</td>
<td>Wash with a disinfectant soap and cover the contaminated skin with an anti-bacterial cream. Seek medical attention.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.</td>
</tr>
<tr>
<td>Serious Inhalation</td>
<td>Evacuate the victim to a safe area as soon as possible. Loosen tight clothing such as a collar, tie, belt or waistband. Seek medical attention.</td>
</tr>
<tr>
<td>Ingestion</td>
<td>Do NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person. If large quantities of this material are swallowed, call a physician immediately. Loosen tight clothing such as a collar, tie, belt or waistband.</td>
</tr>
<tr>
<td>Serious Ingestion</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Section 5. Fire and Explosion Data**

<table>
<thead>
<tr>
<th>Property</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Flammability of the Product</td>
<td>May be combustible at high temperature.</td>
</tr>
<tr>
<td>Auto-Ignition Temperature</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flash Points</td>
<td>Not available.</td>
</tr>
<tr>
<td>Flammable Limits</td>
<td>Not available.</td>
</tr>
<tr>
<td>Products of Combustion</td>
<td>These products are carbon oxides (CO, CO2), nitrogen oxides (NO, NO2...).</td>
</tr>
<tr>
<td>Fire Hazards in Presence of Various Substances</td>
<td>Not available.</td>
</tr>
<tr>
<td>Explosion Hazards in Presence of Various Substances</td>
<td>Risks of explosion of the product in presence of mechanical impact: Not available.</td>
</tr>
<tr>
<td></td>
<td>Risks of explosion of the product in presence of static discharge: Not available.</td>
</tr>
<tr>
<td>Fire Fighting Media and Instructions</td>
<td>SMALL FIRE: Use DRY chemical powder. LARGE FIRE: Use water spray, fog or foam. Do not use water jet.</td>
</tr>
<tr>
<td>Special Remarks on Fire Hazards</td>
<td>Not available.</td>
</tr>
<tr>
<td>Special Remarks on Explosion Hazards</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

**Section 6. Accidental Release Measures**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>Small Spill</td>
<td>Use appropriate tools to put the spilled solid in a convenient waste disposal container.</td>
</tr>
<tr>
<td>Large Spill</td>
<td>Use a shovel to put the material into a convenient waste disposal container.</td>
</tr>
</tbody>
</table>
Section 7. Handling and Storage

Precautions
Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. Do not breathe dust. Wear suitable protective clothing. In case of insufficient ventilation, wear suitable respiratory equipment. If you feel unwell, seek medical attention and show the label when possible. Avoid contact with skin and eyes.

Storage
Keep container tightly closed. Keep container in a cool, well-ventilated area.

Section 8. Exposure Controls/Personal Protection

Engineering Controls
Use process enclosures, local exhaust ventilation, or other engineering controls to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.

Personal Protection
Splash goggles. Lab coat. Dust respirator. Be sure to use an approved/certified respirator or equivalent. Gloves.

Personal Protection in Case of a Large Spill
Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.

Exposure Limits
Not available.

Section 9. Physical and Chemical Properties

Physical state and appearance
Solid. (Crystals solid.)

Molecular Weight
184.15 g/mole

pH (1% soln/water)
Not available.

Color
Colorless.

Section 10. Stability and Reactivity Data

Stability
The product is stable.

Instability Temperature
Not available.

Conditions of Instability
Not available.

Incompatibility with various substances
Not available.

Continued on Next Page
<table>
<thead>
<tr>
<th>Corrosivity</th>
<th>Non-corrosive in presence of glass.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Special Remarks on Reactivity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Special Remarks on Corrosivity</td>
<td>Not available.</td>
</tr>
<tr>
<td>Polymerization</td>
<td>Will not occur.</td>
</tr>
</tbody>
</table>

### Section 11. Toxicological Information

**Routes of Entry**
- Eye contact
- Inhalation
- Ingestion

**Toxicity to Animals**
- LD50: Not available
- LC50: Not available

**Chronic Effects on Humans**
- Not available

**Other Toxic Effects on Humans**
- Hazardous in case of skin contact (irritant), of ingestion, of inhalation

**Special Remarks on Toxicity to Animals**
- Not available

**Special Remarks on Chronic Effects on Humans**
- Not available

**Special Remarks on Other Toxic Effects on Humans**
- Not available

### Section 12. Ecological Information

**Ecotoxicity**
- Not available

**BOD5 and COD**
- Not available

**Products of Biodegradation**
- Possibly hazardous short term degradation products are not likely. However, long term degradation products may arise.

**Toxicity of the Products of Biodegradation**
- The products of degradation are more toxic

**Special Remarks on the Products of Biodegradation**
- Not available

### Section 13. Disposal Considerations

**Waste Disposal**

### Section 14. Transport Information

**DOT Classification**
- CLASS 9: Miscellaneous hazardous material

**Identification**
- : Not available.  UNNA: NA9091  PG: Not available

**Special Provisions for Transport**
- Not available

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*Continued on Next Page*
# Section 15. Other Regulatory Information and Pictograms

## Federal and State Regulations
- Pennsylvania RTK: Ammonium tartrate
- Massachusetts RTK: Ammonium tartrate
- TSCA 8(b) inventory: Ammonium tartrate
- CERCLA: Hazardous substances.: Ammonium tartrate

## California Proposition 65 Warnings
Not available.

## Other Regulations
- Not available.

## Other Classifications
- **WHMIS (Canada)**: Not controlled under WHMIS (Canada).
- **DSCL (EEC)**: R36/38- Irritating to eyes and skin.

## HMIS (U.S.A.)

<table>
<thead>
<tr>
<th></th>
<th>Health Hazard</th>
<th>Fire Hazard</th>
<th>Reactivity</th>
<th>Personal Protection</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>National Fire Protection Association (U.S.A.)</strong></td>
<td>2</td>
<td>1</td>
<td>0</td>
<td>E</td>
</tr>
</tbody>
</table>

## WHMIS (Canada) (Pictograms)

## DSCL (Europe) (Pictograms)

## TDG (Canada) (Pictograms)

## ADR (Europe) (Pictograms)

## Protective Equipment
- Gloves.
- Lab coat.

*Continued on Next Page*
Dust respirator. Be sure to use an approved/certified respirator or equivalent.

Splash goggles.

Section 16. Other Information

<table>
<thead>
<tr>
<th>MSDS Code</th>
<th>A5320</th>
</tr>
</thead>
<tbody>
<tr>
<td>References</td>
<td>Not available.</td>
</tr>
<tr>
<td>Other Special Considerations</td>
<td>Not available.</td>
</tr>
</tbody>
</table>

Validated by Sonia Owen on 1/20/2003.  
Verified by Sonia Owen.

Printed 1/20/2003.

CALL (310) 516-8000

Notice to Reader

All chemicals may pose unknown hazards and should be used with caution. This Material Safety Data Sheet (MSDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this MSDS. It shall be the user’s responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this MSDS is based on technical data judged to be reliable, Spectrum Quality Products, Inc. assumes no responsibility for the completeness or accuracy of the information contained herein.