

# ***Majestic Mountain Sage, Inc.***

## MATERIAL SAFETY DATA SHEET

### **Identity: Citric Acid**

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#### SECTION I

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**Company Name:** Majestic Mountain Sage, Inc.  
**Address:** 918 West 700 North Ste 104, Logan UT 84321  
**Telephone:** 435.755.0863  
**Date Prepared:** May 14, 2003

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#### SECTION II: Hazardous Ingredients/Identity Information

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CAS No.: 77-92-9                      Citric Acid, Anhydrous

Safety Ratings: Minimal - 0, Slight - 1, Moderate - 2, Serious - 3  
*Health - 2, Flammability - 1, Reactivity - 0, Protective Equipment - Goggles/Lab Coat*

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#### SECTION III: Physical/Chemical Characteristics

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**Boiling Point:** N/A  
**Density:** 1.665 @ 20°C/4°C  
**Solubility in Water:** 60 g/100 mL @ 20°C  
**Vapor Pressure mmHg:** N/A  
**Vapor Density air = 1:** N/A  
**Appearance and Odor:** White, odorless granules  
**pH:** 2.2 (0.1N sol)  
**Melting Point:** 153°C (307°F)  
**Evaporation Rate:** N/A

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#### SECTION IV: Fire and Explosion Hazard Data

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**Extinguishing Media:** Water Spray, Dry Chemical, Chemical Foam, or Carbon Dioxide.  
**Special Fire Fighting Procedures:** Firefighters should wear self-contained breathing apparatus in the positive-pressure mode with a full face mask.  
**Unusual Fire and Explosion Hazards:** Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard.  
**Autoignition Temperature:** 1011°C (1852°F)

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### SECTION V: Reactivity Data

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**Stability:** Stable under ordinary conditions of use and storage.

**Incompatibility (materials to avoid):** Metal nitrites (potentially explosive reaction), alkali carbonates and bicarbonates, potassium tartrate. Will corrode copper, zinc, aluminum, and their alloys.

**Hazardous Decomposition or By Products:** Carbon monoxide and carbon dioxide may form when heated to decomposition.

**Hazardous Polymerization:** [ ] May occur [X] Will not occur

**Conditions to Avoid:** Heat, flames, ignitions sources and incompatibles.

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### SECTION VI: Health Hazard Data

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**Inhalation:** Causes irritation to the respiratory tract. Symptoms may include coughing, sore throat, labored breathing, and chest pain.

**Eye Contact:** Highly irritating; may also be abrasive

**Ingestion:** Causes irritation to the gastrointestinal tract. Symptoms may include nausea, vomiting, and diarrhea. Extremely large oral doses may produce gastrointestinal disturbances. Calcium deficiency in blood may result in severe cases in ingestion.

**Skin Contact:** Causes irritation. Symptoms include redness, itching and pain.

**Other Effects:** Chronic or heavy acute ingestion may cause tooth enamel erosion.

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### SECTION VII: Emergency and First Aid Procedures

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**Skin:** Immediately flush skin with plenty of water for at least 15 minutes. Remove contaminated clothing and shoes. Wash clothing before reuse. Thoroughly clean shoes before reuse.

**Ingestion:** Induce vomiting immediately. Never give anything by mouth to an unconscious person.

**Inhalation:** Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult give oxygen. Get medical attention.

**Eyes:** Immediately flush eyes with copious amounts of water for at least 15 minutes. Do not let victim rub eyes. Get treatment by medical personnel immediately.

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### SECTION VIII: Personal Protection

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**Eyes:** Use chemical safety goggles. If splashing of solutions is possible use full face shield. Maintain eye wash fountain and quick-drench facilities in work area.

**Respiratory Protection:** For conditions of use where exposure to dust or mist is apparent and engineering controls are not feasible, a particulate respirator (NIOSH type N95 or better filters) may be worn. If oil particles (e.g. lubricants, cutting fluids, glycerine, etc.) are present, use a NIOSH type R or P filter. For emergencies or instances where the exposure levels are not known, use a full-face positive-pressure, air-supplied respirator. WARNING: Air-purifying respirators do not protect workers in oxygen-deficient atmospheres.

**Airborne Exposure Limits:** None established.

**Ventilation:** A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area. Please refer to the ACGIH document, Industrial Ventilation, A Manual of Recommended Practices, most recent edition, for details.

**Protective Gloves:** Wear gloves when handling material.

**Other Protective Clothing and Equipment:** Wear clean body covering clothing

**Work/Hygienic Practice:** Use good personal hygiene practices; limit exposure to product whenever possible to minimize clean-up.

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## SECTION IX: Spill or Leak Procedures

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**Steps to be taken in case material is released or spilled:** Ventilate area of leak or spill. Wear appropriate personal protective equipment as specified. Sweep up and containerize for reclamation or disposal. Vacuuming or wet sweeping may be used to avoid dust dispersal.

**Waste Disposal Method:** Whatever cannot be saved for recovery or recycling should be managed in an appropriate and approved waste disposal facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

**Environmental Fate:** No information found.

**Environmental Toxicity:** No information found.

*NOTE: The information in this MSDS is compiled from sources considered to be accurate to the best of our knowledge and applies to activities within the scope of the intended use of the product. No warranty is expressed or implied with respect to completeness or continuing accuracy of the information given here. User should satisfy themselves that they have all current data relevant to their particular use.*