

# MATERIAL SAFETY DATA SHEET - U.S.

## Citric Acid B201

Professional Chemicals Corporation

Revision Date: January 8, 2003 Revision 2.1

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### Section 1: Chemical Product and Company Information

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**Product Name:** Citric Acid

**Product Number:** B201

**Manufacturer:** Professional Chemicals Corp  
325 S. Price Road  
Chandler, AZ USA 85224

**Emergency Telephone:**  
(800) 535-5053 [Infotrac]

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### Section 2: Composition / Information or Ingredients

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<u>Hazardous Ingredient</u>	<u>CAS</u>	<u>OSHA PEL</u>	<u>OSHA HAZARD</u>
Citric Acid	77-92-9	5000 mg/m <sup>3</sup> (dust)	Irritant

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### Section 3: Hazard Identification

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#### Emergency Overview

**Appearance:** White Powder

**Odor:** Odorless Scent

**Flashpoint:** N/A

**Hazard:** Irritant

**Eye Contact:** Causes temporary eye irritation.

**Skin Contact:** Frequent or prolonged contact causes temporary irritation. Skin contact may aggravate an existing dermatitis condition.

**Inhalation:** May cause temporary irritation.

**Ingestion:** Small amounts swallowed incidental to normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause temporary injury.

**HMIS Hazard Rating:** Health 1    Flammability 0    Reactivity 0

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### Section 4: First Aid Measures

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**Eye Contact:** Immediately irrigate with flowing water continuously for 15 minutes. If irritation persists consult medical personnel.

**Skin Contact:** Wash with soap and water. If irritation persists consult medical personnel.

**Inhalation:** Move to fresh air. If irritation persists consult medical personnel.

**Ingestion:** If swallowed, DO NOT induce vomiting unless directed to do so by medical personnel. If injured party is conscious, give two glasses of water. Seek medical attention.

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### Section 5: Fire-Fighting Measures

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**Flashpoint:** N/A

**Upper Flammable Limit (% by volume):** N/A

**Autoignition Temperature:** N/D

**Lower Flammable Limit (% by volume):** N/A

**General Hazard:** Irritant

**Fire Fighting Procedures:** Wear self-contained breathing apparatus and full protective clothing. Use water spray to cool nearby containers and structures exposed to fire.

**Hazardous Decomposition Products:** During a fire, smoke may contain the original material in addition to unidentified toxic and/or irritating compounds. Hazardous combustion products may include and are not limited to carbon dioxide and carbon monoxide.

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### Section 6: Accidental Release Measures

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Keep all unnecessary personnel away. Prevent additional discharge of material. Prevent material from entering sewers, watercourses, or low areas. Contain and clean spilled material by vacuum or broom sweeping and remove to disposal container. Consult an expert on disposal of recovered material and ensure conformity to local disposal regulations.

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### Section 7: Handling and Storage

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Store out of reach of children; keep container closed; store in a cool dry well-ventilated place. Avoid contact with skin and eyes. Use in a well-ventilated area; do not breathe dusts. Wash hands thoroughly after handling.

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### Section 8: Exposure Controls / Personal Protection

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**Engineering Controls:** Normal room ventilation is satisfactory for limited use.

**Eye Protection:** Safety glasses

**Skin Protection:** Use gloves impervious to this material when prolonged or frequently repeated contact could occur.

**Respiratory:** No respiratory protection should be needed.

**Exposure guidelines:** N/E

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### Section 9: Physical and Chemical Properties

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**Appearance/Physical State:** White crystals

**Odor:** Odorless

**Vapor Pressure:** N/A

**Vapor Density:** N/A

**Boiling Point:** N/A

**Freezing Point:** N/A

**Density:** N/E

**pH:** 3.0 - 4.0 (10% solution)

**Solubility in Water:** Soluble

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### Section 10: Stability and Reactivity

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**Chemical stability:** Stable

**Incompatibility with other substances:** Strong oxidizing or alkaline agents

**Reactivity:** Solutions are mildly corrosive to steel.

**Hazardous Decomposition Products:** Exposure to fire may liberate carbon dioxide, carbon monoxide, organic acids, and other unidentified thermal decomposition products from this product or its packaging.

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### Section 11: Toxicological Information

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**Route of Entry:** Eye and skin contact

**Effects of Acute Overexposure to Product:**

**Eye Contact:** Causes temporary eye irritation, redness, tearing, and blurred vision

**Skin Contact:** Causes temporary skin irritation, defatting and dermatitis

**Inhalation:** Inhalation of dust may cause temporary respiratory irritation; temporary central nervous system effects including dizziness, weakness, fatigue, nausea, and headache.

**Ingestion:** May cause gastrointestinal temporary irritation with nausea, vomiting and diarrhea.

**Effects of Chronic Overexposure to Product:**

**Exposure limits:** N/D for mixture

**Teratogenicity:** None

**Reproductive toxicity:** None

**Sensitization to Product:** None known

**Mutagenicity:** None

**Carcinogenicity:** None

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### Section 12: Ecological Information

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Please refer to Section 6 for information regarding accidental releases and Section 15 for regulatory reporting information.

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### Section 13: Disposal Considerations

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Dispose of in accordance with federal, state and local regulations. Prevent run-off to sewers.

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### Section 14: Transportation Information

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**Shipping paper description:** None

**Labeling:** None

**Markings:** None

**Placard:** None

**Packaging:** Strong outer packaging. UN specification packaging not required.

**Note:** Applies only to ground shipments. Additional compliance steps are required for air shipments; ship in accordance with 49 CFR parts 100 - 185.

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### Section 15: Regulatory Information

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**TSCA:** All chemicals used in this product are listed

**CERCLA:** No

**SARA Title III:** Under the provisions of Title III, Sections 311/312 of the Superfund Amendments and Reauthorization Act, this product is classified into the immediate health hazard category.

The chemicals used in this product may be subject to the provisions of the Community Right-to Know Act (40 CFR 370 - 374). If reporting requirements are met, please contact the Environmental, Health and Safety (EHS) Manager for information regarding this product.

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### Section 16: Other Information

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This document is prepared in accordance with 29 CFR 1910.1200. The purpose of this section is to ensure that the hazards of all chemicals produced or imported are evaluated, and that information concerning their hazards is transmitted to employers and employees.

All information appearing herein is based upon data obtained from the raw material manufacturer and/or recognized technical sources. While the information above is believed to be true and accurate, the author makes no representations as to its accuracy or sufficiency. Conditions of use are beyond the manufacturer's control; therefore the users are responsible to verify this data under their own particular conditions, applications and regulations to determine if the product is suitable for their particular purposes. The users assume all risks of product use, handling, disposal, reliance upon, publication or use of the information contained herein. This information applies only to the product designated above and does not necessarily apply to its use in combination with other materials, products, chemical compounds, structures or processes.

**Prepared by:** EHS Manager

**Phone Number:** [480] 899-7000