

SAFETY DATA SHEET

Citric Acid Powder - Anhydrous

SECTION 1: IDENTIFICATION

Product Identifier	Citric Acid Powder - Anhydrous
Chemical Name	Citric Acid
Synonyms	Citric Acid Anhydrous
CAS Number	77-92-9
Molecular Formula	C ₆ H ₈ O ₇
Recommended Use	Consumer household cleaning and general-purpose formulation uses consistent with product labeling.
Restrictions on Use	Use only as directed.
Supplier / Responsible Party	Crystal Clear Lab
Address	13854 C Plaza, Omaha, NE 68144
Business Phone	531-867-7189
24-Hour Emergency Phone	1-833-875-0643

SECTION 2: HAZARD(S) IDENTIFICATION



GHS Classification: Eye Irritation - Category 2

Signal Word: Warning

Hazard Statement: H319 - Causes serious eye irritation.

Precautionary Statements: Wash hands thoroughly after handling. Wear eye protection. If in eyes: rinse cautiously with water for several minutes; remove contact lenses if present and easy to do; continue rinsing. If eye irritation persists, get medical advice/attention.

SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Component	Citric Acid Anhydrous
CAS Number	77-92-9
Product Form	Substance

SECTION 4: FIRST-AID MEASURES

Inhalation: Move to fresh air. If symptoms persist, consult a physician.

Skin Contact: Wash affected area with soap and water. Obtain medical advice if irritation persists.

Eye Contact: Rinse thoroughly with plenty of water for at least 15 minutes. Obtain medical attention if irritation persists.

Ingestion: Do not induce vomiting. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Consult a physician.

Most Important Symptoms/Effects: Serious eye irritation.

SECTION 5: FIRE-FIGHTING MEASURES

Flammability: Non-flammable.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, water spray, or media appropriate for the surrounding fire.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide may be generated in a fire.

Firefighter Protection: Wear appropriate protective equipment and self-contained breathing apparatus where conditions warrant.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions: Avoid breathing dust. Avoid contact with eyes. Provide adequate ventilation during cleanup.

Cleanup: Sweep or vacuum spilled material and place in a suitable container for disposal. Avoid creating airborne dust.

Environmental Precautions: Avoid uncontrolled release to surface water or sewage systems.

SECTION 7: HANDLING AND STORAGE

Handling: Use with adequate ventilation. Minimize dust formation. Avoid breathing dust and avoid eye contact. Wash hands after handling.

Storage: Store in a cool, dry location in a tightly closed original container.

Incompatible Materials: Strong oxidizing substances; strong alkalis. Protect from moisture.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limits: No substance-specific workplace exposure limit is identified in the source SDS.

Engineering Controls: General ventilation is normally adequate for consumer handling. Minimize airborne dust.

Eye Protection: Safety glasses or goggles where dust may contact the eyes.

Skin Protection: Protective gloves may be used for prolonged or repeated handling.

Respiratory Protection: Normally not required for consumer use. Use an appropriate particulate respirator where significant dust is generated.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Physical State	Solid, crystalline
Color	White
Odor	Odorless
pH	1.7 (100 g/L)
Melting Point	Approximately 153 °C
Boiling Point	Decomposes before boiling
Flammability	Non-flammable
Relative Density	1.665 at 20 °C
Water Solubility	590 g/L at 20 °C
Explosive Properties	Not explosive
Oxidizing Properties	Not oxidizing
Vapor Pressure	2.21×10^{-6} Pa at 20 °C
Evaporation Rate	Not applicable

SECTION 10: STABILITY AND REACTIVITY

Reactivity: No specific reactivity data available in the source SDS.

Chemical Stability: Stable at normal environmental temperature.

Hazardous Reactions: Reacts with alkalis.

Conditions to Avoid: Excessive heat, direct sunlight, and moisture.

Incompatible Materials: Strong oxidants, strong alkalis, and strong acids.

Hazardous Decomposition Products: Carbon dioxide and carbon monoxide.

Hazardous Polymerization: Will not occur.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Oral LD50 (mouse): 5400 mg/kg body weight. Dermal LD50: >2000 mg/kg body weight.

Skin: Mild skin irritant.

Eyes: Causes serious eye irritation.

Sensitization: Not identified as a skin sensitizer in the source SDS.

Mutagenicity: Not identified as a mutagen in the source SDS.

Carcinogenicity: Not identified as a carcinogen in the source SDS.

Reproductive Toxicity: Not identified as a reproductive toxin in the source SDS.

STOT / Aspiration Hazard: Not known in the source SDS.

SECTION 12: ECOLOGICAL INFORMATION

Aquatic Toxicity: Fish LC50 (48 hr): 440 mg/L; Daphnia magna LC50 (24 hr): 1535 mg/L; algae NOEC: 425 mg/L.

Persistence and Degradability: Readily biodegradable.

Bioaccumulative Potential: Not expected to bioaccumulate.

PBT / vPvB: Not identified as PBT or vPvB in the source SDS.

SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of contents and container in accordance with applicable local, state, and federal requirements. Avoid uncontrolled discharge to sewage systems. Empty containers may retain product residue.

SECTION 14: TRANSPORT INFORMATION

U.S. DOT	Not regulated for transport.
IMDG	Not regulated for transport.
IATA	Not regulated for transport.

SECTION 15: REGULATORY INFORMATION

This SDS is intended for U.S. distribution. Citric acid is identified by CAS 77-92-9. No additional U.S. federal regulatory listing is asserted beyond the information supported by the source SDS.

SECTION 16: OTHER INFORMATION

SDS Number	CCL_SDS0020
Version	1.0
Preparation / Revision Date	September 2026
Source SDS Revision Date	August 19, 2019

Disclaimer: The information in this Safety Data Sheet is believed to be accurate based on information available at the date of issue and is provided as guidance for safe handling, storage, transportation, and disposal. It is not a product warranty or quality specification. Users are responsible for following the product label and applicable requirements.